

# Power Systems Academic Initiative Job Board

North America

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## Internships/Co-ops

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Canada: [ON](#) [BC](#)

New postings for the week of October 9 are below.

Previously posted jobs are listed by State.

Job Title	Company	City, State	Posted
<b>COLORADO</b>			
<a href="#">View</a> SW Engineer Intern	Ricoh	Boulder, CO	Oct 4
<b>MARYLAND</b>			
<a href="#">View</a> Intern Technical	Leidos	Gaithersburg, MD	Oct 2
<b>MINNESOTA</b>			
<a href="#">View</a> Software Engineer Intern	Thomson Reuters	Eagan, MN	Aug 30
<b>NEW JERSEY</b>			
<a href="#">View</a> Technology Summer Intern Program	TD Bank	Mount Laurel, NJ	Sept 18
<b>NORTH CAROLINA</b>			
<a href="#">View</a> Industrial Engineer Intern	Advance Auto Parts	Raleigh, NC	Sept 13
<a href="#">View</a> Supply Chain Analyst Intern	Advance Auto Parts	Raleigh, NC	Sept 13
<b>MINNESOTA</b>			
<a href="#">View</a> Software Engineer Intern	Thomson Reuters	Eagan, MN	Aug 30
<b>OHIO</b>			
<a href="#">View</a> Technical Support Co-op	IBM Corporation	Columbus, OH	Oct 4
<b>TEXAS</b>			
<a href="#">View</a> Assistant, Undergraduate Intern, Software Engineer	Dell	Richardson, TX	Aug 30

Job Title	Company	City, State	Posted
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**ONTARIO**

<a href="#">View</a>	OpenJ9 Software Developer – Coop	IBM Corporation	Ottawa, ON	Sept 20
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**BRITISH COLUMBIA**

<a href="#">View</a>	iXp Intern, Systems Administrator	SAP	Vancouver, BC	Sept 20
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**Job Title****Company Name and description**

**IT Internship**  
**Job ID:**

[Good Year Tire](#), Akron, OH

Goodyear offers paid internships to qualified active students. Experiences include challenging hands-on opportunities and professional networking in the select field. The term of the assignment can be either a full-time 10-week summer internship or a one-year internship, consisting of full-time work over the summer and part-time work during the school year. These positions fall within many areas of Goodyear's IT departments, such as: Manufacturing Operations, Quality Management, Tire Specifications, Retail Point Of Sale & Operations, SAP, IT Infrastructure, Web Operations, Data Warehousing and IT Auditing. The goal of this program is to build a pipeline of candidates for Goodyear's IT Development Program which is designed to develop graduates into future leaders through broad exposure to various business disciplines.

**Education and Qualifications**

Qualified candidates must:

- Have a 3.0 GPA or higher
- Be actively pursuing a Bachelor's Degree in Computer Science, MIS, Computer Information Systems, Computer Engineering or other Business related disciplines
- Have the ability to complete at least one internship assignment prior to graduation
- Demonstrate leadership and growth potential
- Have excellent written and oral communication skills
- Be detail oriented with superior analysis and problem solving skills
- Be a fast learner who is able to keep up with the rapidly changing technological field
- Have the ability to thrive in a team environment
- Excel in project management skills
- Be able to self-manage

**Other Information**

Qualified candidates must also:

- Be capable of interacting with all organizational levels, ranging from entry-level associates to Goodyear's senior management.
- Be a U.S. citizen or legally authorized to work full-time in the U.S. prior to program entry

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Job Title	Company Name and description
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[Assistant Undergraduate Intern, Software Engineer](#)  
**Job ID: 187086BR**

Posted: August 30, 2017

[Dell](#) Richardson, TX

Join the EMC Core Technology Division and work on helping enterprise companies back up their critical data. In this job, you will be provide technical assistance in the configuration, testing, and development of solutions to a variety of software engineering problems of limited to moderate scope and complexity. You will need to apply judgment, creativity and sound technical knowledge to arrive at solutions. Assignments may include test programs and enhancements or fixes to existing features.

**Responsibilities**

- Solid understanding of Computer Science concepts (algorithms and data structures)
- Able to select and apply appropriate concepts to solve moderately complex problems
- Complete tasks & assignments with direction
- Follow standard engineering practices
- Communicates problems and roadblocks effectively to project leads and managers
- Contact is primarily with direct supervisor and other professionals in immediate work group or department.

**Skills**

- Knowledge of software design principles and a passion for writing great code
- Position requires familiarity with Java programming language and web stack technologies
- Knowledge of programming in a multi-threaded environment
- General knowledge and application of engineering concepts
- Experience with one or more contemporary Operating Systems (Windows, Linux, AIX, etc.)
- Communication skills
- Analytical ability
- Problem solving skills

**Education**

Student working towards a Bachelors or Masters in Computer Science, Computer Engineering or equivalent.

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Job Title	Company Name and description
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[Software Engineer Intern](#)

[Thomson Reuters](#)

Eagan, MN

Job ID:

Posted: August 30, 2017

Join Thomson Reuters and work alongside our innovative technologists, solving technical problems that directly impact our business. If you want to leverage your classroom knowledge while gaining hands-on experience with cutting-edge technologies, Thomson Reuters has the right internship experience for you. Our Technology Interns have the opportunity to work in one or more of the following areas: software programming, software testing, databases, platform, and others. We have several opportunities for internships at our Eagan campus within our various business units including: Legal, Findlaw, Research and Development, Mobile Technology, Editorial Platforms and Management Information Systems.

**KEY TECHNOLOGIES:**

- Programming Languages (Java, J2EE, C#, VB.NET, Python, Ruby, Groovy)
- Mobile Development (iOS, Android)
- Relational Database (Oracle, DB2, SQL Server)
- Virtualization (VMware, Lab Manager, VDI)
- Operating Systems (Windows, UNIX, Linux, AIX, SuSe)

**Past internships have included:**

- Research and prototyping projects for formal rules systems, non-traditional databases, and federated identity management.
- Design and development of web-based research solutions for use by national and international customers
- Creation of custom web interfaces
- Development of large content management systems including data repositories, web-based data access and UI
- Software testing in multiple phases of the development cycle for initiatives across multiple organizations
- Performance analysis and tuning of application servers
- Creation of applications to collection and disseminate vital system statistics to various parts of the technology organization.
- Participation in testing new technologies in a lab environment
- Collaboration with multiple teams to ensure technology solutions meet business needs
- Troubleshoot and resolve incidents within a defined Incident Management Process

**Qualifications**

- Currently pursuing a degree in Information Technology, Management, Information Systems, Computer Science or related discipline meeting program academic requirements
- Strong desire to learn new technologies
- Strong problem solving and issue resolution skills
- Strong written and verbal communication skills
- Ability to communicate effectively and professionally to both technical and non-technical users
- Strong organization skills and attention to detail
- Ability to prioritize work and communicate issues in a timely manner
- Ability to work independently or as part of an agile development team
- Strong problem analysis approach

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Job Title	Company Name and description
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[Supply Chain Analyst Intern](#)

[Advance Auto Parts](#)

Raleigh, NC

Job ID:

Posted: September 13, 2017

This position is responsible for providing complex analysis of information, problems and/or data of moderate scope, where analyses are multivariable. Assist in driving change by analyzing large data sets and creating reports that support day to day business operations as well as informing current or proposed business solutions. Provide decision support and counsel by collecting, analyzing data, interpreting data, and forecasting business trends to support the overall strategic and operating plans of Advance Auto Parts.

**General Job Responsibilities**

Performs moderately complex analysis of information, problems, and/or data under general supervision  
 Tracks, monitors, and measures benefits of implemented solutions for complex multivariable issues  
 Develops, analyzes and disseminates weekly, periodic, and quarterly reports  
 Perform return on investment (ROI) analysis to determine viability and priority of pending supply chain projects.  
 Provide root/cause analysis to support decision-making by effectively communicating and translating the results into business insights and actions.  
 Provide direction for project personnel to ensure the project progresses on schedule and within the prescribed budget.  
 Confer and cooperate with all levels of operating management in formulating and developing detailed analytical analyses to support projects, day to day operations, and trends

**Qualifications**

Junior or Senior  
 Knowledge of distribution and transportation processes.  
 Strong Microsoft Word, Excel, Access, AS/400 and PeopleSoft skills  
 Experience with statistical tools a plus  
 Strong analytical and organizational skills  
 Ability to work with and apply mathematical concepts to practical situations such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry  
 Ability to read, analyze, and interpret general business periodicals or technical procedures  
 Ability to write reports, business correspondence, and procedure manuals

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Job Title	Company Name and description
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[Industrial Engineer Intern](#)

[Advance Auto Parts](#) Raleigh, NC

Job ID:

Posted: September 13, 2017

The Industrial Engineer Intern analyzes work force utilization, work center layout, material flows, production costs, process flow and production requirements to determine the most efficient utilization of personnel and equipment. Assists in the design, evaluation, training, and revision of all work methods, workflow, productivity, job functions, physical layout and equipment. Assists in the development of Distribution Center and capital budgets. Works effectively with external resources (consultants and contractors) to ensure collaborative partnerships to meet business requirements.

**General Job Responsibilities**

Lead and perform the analysis, recommendation, and implementation of enhancements to existing work methods flows and processes to increase throughput.

Lead the efforts to develop and design Distribution Center and office area layouts

Lead the collection of data to assist in the development of Distribution Center and capital budgets

Lead the research of technological advance in material handling systems to develop cost effective improvements to operating methods and procedures to support purchase recommendations

Develop daily manpower planning tool for various DC processes to better utilize labor

Constantly evaluate product flow, staging areas, storage space and fulfillment methods for improvement opportunities

Proactively monitor SKU velocity and other salves events to properly slot SKUs for efficient fulfillment. Periodically evaluate opportunities for SKU consolidations and re-warehousing for efficient storage and fulfillment.

**Qualifications**

Junior or Senior

Highly developed problem solving and prioritization skills that will be demonstrated by the successful and timely completion of assignments.

Demonstrate ability to perform analyses and identify solutions to resolve specific business needs.

Detail oriented with good math and statistical skills.

Assist with resolving difficulties and in developing new methods and procedures.

Strong Microsoft Word, Excel, Access, AS/400 and PeopleSoft skills, SQL

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Job Title	Company Name and description
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[Technology Summer Intern Program](#)

**Job ID: 173280BR**

Posted: September 18, 2017

[TD Bank](#)

Mount Laurel, NJ

TD Technology offers a 10 week Summer Intern Program in our New York Mount Laurel, NJ, Wilmington DE and Falmouth ME offices. Our interns will get an opportunity to experience what it is like to work in Technology at one of the largest financial firms in North-America.

Candidates will be participating in a program where they will get a wide range of TD Technology experiences and exposure to a variety of IT Areas and Businesses. The program provides an on-boarding curriculum, mentoring, training, and on the job experience in the core activities of TD Technology. Our interns begin the program with a comprehensive training program including a unique 3 day orientation program with all summer interns from across our footprint.

Preferred Qualifications

- Currently in Junior year of college – Pursuing a Bachelor’s degree in Computer Science, Engineering, Math, Business Technology Mgmt or Technology Sciences.
- Strong conceptual, analytical and problem solving skills; preferred knowledge of SDLC & PMLC.
- Excellent verbal & written communication with ability to work effectively in a team environment
- Ability to develop good business relationships with customers, business partners and stakeholders
- Preferred familiarity and strength in any of the following: C, C++, C#, Object C, Java, Java Script, Python, Ruby, SQL, J2EE, Web Services, .NET, VBA, FPML, XML, HTTP, WSDL, Linux, Unix, Perl, Oracle, AIX, Windows, DB2, FIX Protocol.
- Must have US Citizenship or Permanent Residency status

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Job Title	Company Name and description
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[OpenJ9 Software Developer – Coop](#)  
**Job ID: 108944BR**

Posted: September 20, 2017

[IBM Corporation](#)      Ottawa, ON

The successful candidate will work as part of the IBM Runtimes team on the OpenJ9 code base. We are looking for software developers who are enthusiastic about working at the language runtime level. We are a fast paced team that works on many different technologies including the IBM Java Virtual Machine at once and has a high rate of innovation and delivery. Technologies that we build and influence includes garbage collection, interpretation, virtualization and platform exploitation, all in the context of virtual machines for interpreted languages. Our team members are enthusiastic, curious types that are interested in different languages like Java, JavaScript and Swift. We work on a variety of architectures (x86, POWER, z/Architecture, ARM) and operating systems (Linux, Windows, OS X, AIX, z/OS). Our work is part of the foundation of many of IBM's products and its strategic directions.

You should be comfortable in an environment that is predominantly C and C++ based, but you should also show proficiency and willingness to go down to the assembly language level. Polyglot skills are an asset, as we work in a variety of dynamic scripting languages. You will be expected to contribute to performance analysis and tuning, as well as work with our customer support teams to assist with problem determination and delivering fixes. We have a team environment where work and design is collaborative, but also where individuals are expected to operate with a level of autonomy and responsibility that leads to quality software practices and delivering business results.

**Required Technical and Professional Expertise**

- Co-op or internship program enrollment is mandatory
- Knowledge of the software development cycle
- Understanding of software engineering
- Demonstrates verbal and written communications skills

**Preferred Technical and Professional Experience**

A healthy combination of the following expertise is desired:

- Experience with Windows and/or Linux operating systems
- Experience with C, C++, and/or Java
- Knowledge of assembly language programing

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**Job Title****Company Name and description**[iXp Intern – Systems Administrator](#)**Job ID: 159089**

Posted: September 20, 2017

[SAP](#) Vancouver, BC

This role is a part of SAP's Internship Experience Project (iXp). Within iXp we focus on providing a best-in-class intern experience and assigning impactful projects in strategic areas of SAP's business. iXp interns are inquisitive, capable and eager individuals, fueling the next generation of SAP.

**Purpose & Objective of Position**

As a member of the Engineering Services team within the Products & Innovation group, the candidate's mission will be to work closely with SAP development users worldwide to ensure the provisioning, administration and support of Unix and Linux systems and world-class services to our internal customers.

**Expectations & Tasks**

Candidates are expected to bring excellent enthusiasm, communication skills, and a willingness to learn. As we are customer focused, these are all very important. Candidates will also have the opportunity to work with one of the largest private data centers in Western Canada learning about blade server technology, networking, NAS/SAN, virtualization and data centre management.

**Skills / Competencies**

- Customer support skills
- General experience using operating systems: Windows, Linux (RedHat/Suse), AIX, Solaris, VMware ESXi.
- Windows and Linux installation and basic service configuration
- Basic scripting on Windows and/or Linux (Shell, Perl, Python)
- Basic understanding of authentication and security protocols (LDAP, SSL, TLS, users and groups)
- General hardware knowledge and hands-on experience
- Project management and source code management (bug tracking, JIRA, git)
- Time and priority management skills
- Policy and procedure documentation skills

**Educational Requirements**

Requires candidates to currently be enrolled in an undergraduate, Masters, MBA or PhD degree program which is applicable to the position.

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**Job Title****Company Name and description**[Intern Technical](#)**Job ID: 643846**

Posted: October 2, 2017

[Leidos](#)

Gaithersburg, MD

Leidos is seeking a **Software Engineer** who will be a member of a dynamic team working on the Federal Aviation Administration's En-Route Automation Modernization (ERAM) technology, which is the heart of the Next Generation Air Transportation System and the pulse of the National Airspace System helping to advance our transition from a ground-based system of air traffic control to a satellite-based system of air traffic management. ERAM is vital to the future of air navigation, providing the foundational platform required for FAA to enable NextGen solutions, via modernization programs such as System Wide Information Management, Data Communications, and Automatic Dependent Surveillance- Broadcast. ERAM will provide benefits for users and the flying public by increasing air traffic flow.

**FlightDeck (FDK-HMI) functions include:**

- RealTime Programming on High Availability Systems
- Multi-threaded programming
- Low Level Operating Systems Customization (RedHat, AIX)
- Low level communication software (TCP-IP, UDP, SCTP)
- Support of Common Services utilized by ERAM Application teams
- System Maintenance Concepts

**Responsibilities:**

Working both as a member of a team and independently the successful candidate will be:

- Modernizing the AT control system by improving the availability and performance of the ERAM system.
- Supporting ERAM as it continues to migrate ERAM from the AIX operating systems to Linux. Detailed knowledge of Linux OS and OS concepts desirable.
- Optimizing the experience for the flying public, Air Traffic Control, and the airline industry by improving the collaboration and decision-making capabilities of flight controllers
- Developing and maintaining the FAA air traffic control display software within the object oriented environment (primarily Ada95/C++) on a UNIX/Linux platform.
- Performing software development as needed for the ERAM system
- Coordinate Solutions with Systems Engineering
- Coordinate the development of new capabilities and upgrade to common services provided the applications via the FlightDeck API

**Qualifications:**

TYPICAL EDUCATION AND EXPERIENCE: High school education or equivalent and 1+ years of related experience.

Candidates must be enrolled in a degree program in a relevant discipline.

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Job Title	Company Name and description
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[Technical Support Co-op](#)

[Job ID: 111156BR](#)

Posted: October 4, 2017

[IBM Corporation](#)

Columbus, OH

Maintains smooth operation of multi-user computer systems, including coordination with network engineers. Duties may include setting up administrator and service accounts, maintaining system documentation, tuning system performance, installing system wide software and allocate mass storage space. Interacts with users and evaluates vendor products. Coordinates installation and provides backup recovery. Deploys standard repeatable builds. Installs, configures, patches and maintains appropriate technologies. Also provides remote hands to other IBM Commerce Development Information Technology (DevIT) team members

**Required Technical and Professional Expertise**

- UNIX, Advanced Interactive executive (AIX), or Windows server platform administration

**Preferred Technical and Professional Experience**

- Ubuntu
- Enrolled in an IT program

**Required Education**

High School Diploma/GED

**Preferred Education**

Associate's Degree/College Diploma

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Job Title	Company Name and description
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[SW Engineer Intern](#)  
**Job ID: 17-06055**

Posted: October 4, 2017

[Ricoh](#) Boulder, CO

Seeking a software tester who is interested in working in a team environment that impacts several software projects. Each project team consists of members from Development, Quality Assurance, Technical Writing and Project Management. Software test activities include working closely with Development to identify and execute appropriate test cases using the Agile development methodology.

Required Skills:

- Test methodology knowledge
- Test automation skills and knowledge of test automation tools
- System Administrator skills for Windows, AIX, Linux, and Mac platforms
- Strong communication and teaming skills
- Solid analytical and problem solving skills

Preferred Skills:

- Some Java, JavaScript, C++ or HTML5 programming skills
- Agile software development methodology knowledge

Education / Certifications:

- Working towards a B.S. or M.S. in Computer Science, Engineering or equivalent degree
- Student must be currently enrolled in an accredited college or university, or enrolled to continue their education in an accredited graduate program.

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