

Project Title	Full Project Description	Skills Required	Business Unit
Enterprise IT Inventory Project	<p>Customized Job Description for our P-TECH resources supporting Enterprise Asset Management: The P-TECH resources working with the Enterprise Asset Management (EAM) team will have the opportunity to drive small projects and/or a segment of a larger project working within the plans developed by the project lead. The two P-TECH resources will be expected to take a leadership role and interface with the Asset Management user community across the 3 Geo's. The interns will work closely with the three functional analysts / product owners supporting: EAM IT Inventory Project, EAM Operational Metrics and our Agile Coaching - tools supporting our Global squads. They will also interface with the technical development team to translate the user stories and build a business case to prioritize the project development activities. They will be exposed to Maria Bucci and her Senior Leadership team.</p> <p>The key areas of focus:</p> <ol style="list-style-type: none"> 1. Enterprise IT Inventory Project: Work closely with John Gardner to develop processes and tooling relative to maintaining an IT Asset Inventory. The IT Asset Inventory will be used by the IBM security team and other stakeholders and our Interns will be leveraged to coordinate projects including tracking activities against target dates and perform data analytics to provide insights that support the project decision making. High level skills required: a) Project Coordination , b) Data Analysis and c) Agile 2. Support to the GSE-SLPO and Accelerate / Agile Squads by providing assistance with Agile tools / processes and work closely with the global strategic initiatives that the squad develops and leads. Additionally, our Interns may perform other supporting tasks including development and distribution of staff and executive communications related to the squad's projects and progress - ie. the global design of a metrics management system, roll-out of new global tools and processes and help with the streamlining of "silo'ed" work to re-structure into end-to-end operations. Support to the squad may include, but not be limited to: provide technology assistance tools: i.e. Trello, Slack, Mural, EAM Dashboard (internal IBM). They will assist in process measurements, data analysis and assist with surveys / interviews to be summarized for our AM stakeholders and leaders <p>Below are three Agile / Analytics courses for the Interns to take as they start working with me :</p> <p>Becoming Agile - Think Academy - https://w3-workplace.ibm.com/ibm/thinkacademy/#/agile/agile</p> <p>Taste of Agile - recorded classes https://agileacademy.mybluemix.net/courses/taste_of_agile?id=4378183239001</p> <p>Big Data and Analytics - fundamentals for all IBMers - https://w3-workplace.ibm.com/ibm/thinkacademy/#/bigdata/bigdata_index</p>	<ul style="list-style-type: none"> *Proficient in Excel and Microsoft Office *Strong communication skills *Presentation skills (lead weekly meetings with key stakeholders) *Agility 	IBM Global Asset Management Services

<p>Product Technology Engineering Project</p>	<p>IBM Systems ----Interns will work on data collection, formatting, and analytics to help identify problems with computer chip manufacturing yield.-----Interns will work with the Product Technology Engineering team on a hands-on project focused on data collection, formatting, and analytics. The primary objective is to determine the most effective data format, uploading data in this format to databases, and helping engineers develop analysis techniques to identify issues with computer chips. -----Data collection; Data organization; Data analysis including correlations; Relate signals back to chip manufacturing issues----- Basic Physics and Math Knowledge; Microsoft Office (Ppt, Word, Excel); Some coding useful (Python, Matlab); Oral Communication; Written Communication; Organization; Professionalism (punctuality, dependability, responsibility); Independent learner/worker</p>	<ul style="list-style-type: none"> *Data collection; Data organization; Data analysis including correlations; *Relate signals back to chip manufacturing issues *Basic Physics and Math Knowledge *Microsoft Office (Ppt, Word, Excel) *Some coding useful (Python, Matlab) *Oral Communication *Written Communication *Organization *Professionalism (punctuality, dependability, responsibility) *Independent learner/worker 	<p>IBM Systems Product Technology Engineering</p>
<p>HR for Watson and Cloud Platform Project</p>	<p>The candidate will work with the HR team that supports 'Watson and Cloud Platform' and with the extended Talent team members that support the area of the Cognitive Solutions Portfolio of IBM. The role will support the HR Team to perform incredibly exciting and challenging day to day functions. Some of the key projects will include--- Creating and managing the content for an HR Wiki with various reward, recognition and engagement programs and initiatives- Working with the core engagement and appreciation team to identify issues relating to engagement and attrition. And designing solutions, implementing initiatives, defining metrics, and quantifying impact on clients- Understanding IBM's Skill Value Framework initiative and helping roll our various programs and communications within the frameworkThe role will require the candidate to understand IBM's strategy and their client's strategic priorities. The internship will help the candidate explore areas of employee experience, retention, career and professional development, skill and role development, and expertise management.The ideal candidate should be a self starter, and be able to bring forward new and innovative thoughts and ideas to drive change in a challenging, and fast paced organization.</p>	<ul style="list-style-type: none"> *Self-starter*Presentation Skills*General Professionalism 	<p>IBM CHQ, Human Resources</p>

<p>The Lab Engineering Project</p>	<p>The Lab Engineering internship will be a flexible, rotational schedule of on-the-job training of lab support tasks. Assignments will be determined by intern skill and interest, but may include combinations of the following: 1. Cloud Provisioning, which includes exposure to ticketing, extensions, resource management, maintenance, image management, Software Defined Networking, Linux and Windows servers, and OpenStack. 2. Network/SAN Support, which includes exposure to new system deployment, cable management, switch port configuration, and tracking of assets and networks.</p>	<ul style="list-style-type: none"> *Review Linux command structure/configuration- CentOS/RHEL or Ubuntu would be best *Start looking at the following concepts- Fiber Channel Storage *Virtualization (VMware/KVM/PowerVM) *RAID *Layer 2 and Layer 3 (Networking) *Computer Architecture (specifically looking into IBM POWER would be good as a baseline) 	<p>IBM Systems</p>
<p>Create Lab Fixtures Using 3D Printer to Assist SSD Testing Project</p>	<p>Develop knowledge on using 3D printer. Understand SSD's physical configuration in different form factors. Interface with engineers for design specifications. Learn to create fixture design using 3D drawing tool. Improve and modify existing fixture design. Create new fixture to support SSD cooling during performance testing. Measure and evaluate design and make improvements. Create fixtures for other areas in the lab if time permits. Project Format: Coaching and consultation with IBM experts, self-guided investigation, and testing on current SSDs. Project Anticipated Results: Learning engineering process for 3D design and fabrication. Design and build various fixtures to support SSD testing and other lab work</p>	<ul style="list-style-type: none"> *Basic spatial aptitude *Ability to work in a team setting in a lab *Open to learning and picking up new skills *Basic knowledge of computer applications 	<p>IBM Systems (Memory/Flash/SSD Development)</p>

<p>Enterprise Design Thinking Project</p>	<p>Interns will learn more in depth about Design Thinking and how it relates to finding a way to integrate Enterprise Design Thinking into the Briefing Center. The goal is for clients to be interested and want to know about how Design Thinking can help them during the briefing process. The interns will set up interviews with people from the Briefing Center to get a better understanding of the process of briefing from their point of view. The next step is to interview with more people with different positions to get a better understanding of their point of view as well. Some of the in depth things they will learn about Design Thinking include: empathy maps and is-as scenarios. Another important thing they will learn about Design Thinking is that feeling empathy is significant for trying to solve the issue clients are faced with. It's important to note things such as what they think, how they feel, what they do, and the things they say. This all plays a role into feeling empathy for the people you are getting know through interviews. They will have to participate in Playbacks for the team; a playback is a time of reflection usually through presentation, and it allows your audience to give constructive criticism to help you. They will also have the opportunity to earn the Design Thinking Practitioners Badge and hopefully earn even more throughout their time at IBM.</p>	<p>*Any experience with Adobe Photoshop *Illustrator, Bohemian Sketch, or other design / graphics software is a plus</p>	<p>IBM Systems (Design Thinking Studio)</p>
<p>Mainframe Coupling Project</p>	<p>The intern will work with a team in the Test Floor, learning a lot about Mainframe coupling. What does coupling mean? It means, one Mainframe, where huge companies store data, connects another Mainframe to make it to one big Mainframe. Why is this important? Because IBM's customers, the big companies, want data. It is a long a process for a just a simple connection. The intern will be earning the basic Linux commands (the operating system is running on all Mainframes), chasing wires, IML (a short reset on Mainframe) and documenting what he/she does (in case if something goes wrong he can check back on the mistakes).</p>	<p>*LINUX; Shell scripting</p>	<p>IBM Systems</p>
<p>GBS Dashboard Project</p>	<p>The intern will work on an internal project for the front-end development team in NYC. They will use JavaScript, HTML, and CSS to create a dashboard for IBM employees. The dashboard will hopefully take the 15,000 companies that are working with GBS CBT and organizes the information like revenue, ownership, sales stage name, and forecast change (differences in quarter) so that IBM employees can better access and visualize the data. Right now, IBM employees can only view two files at once without using any filters. Ideally after the dashboard is built, the employees can view all files at once and filter the information as needed.</p>	<p>* Advanced Excel * SPSS, R, Python or similar tools for data analysis * Curiosity for data exploration * Experience working in a fast-paced environment</p>	<p>IBM Global Business Services CBT</p>

<p>Teacher Advisor with Watson Project</p>	<p>The intern(s) will help IBM's Teacher Advisor with Watson tool on two major projects. The first project consists of organizing 12,000 K-6 teacher responses into a spreadsheet to help make Teacher Advisor a stronger tool for US educators. The second project consists of analyzing cadences in social media (mostly Tweets) to determine how Teacher Advisor should be advertised. The intern(s) will research social media analytics such as cost efficiency of ads, communications organization, and what organizations receive the most coverage by looking into what is posted and when to create track trends.</p>	<ul style="list-style-type: none"> *Strong understanding of how to use social media platforms including, but not limited to, Twitter and Facebook. *Ability to independently perform research (for identifying relevant news stories, trends, product releases, etc.) *Strong writing and presentation skills *Self-starter with strong organizational and time management skills *Ideally, but not required: Proficient in photo and/or video editing (e.g., Adobe Photoshop) 	<p>IBM CHQ, Marketing, Corporate Citizenship</p>
<p>Mobile First Project</p>	<p>Developing test scripts using the IOS swift programming language on the XCode platform. The IBM Mobile First team has an partnership with Apple and Apple Developers, which they create only IOS mobile applications for Major companies. Test scripts will display what IOS features will need to be debugged in order to improve client's mobile applications features. The product will be then be used by the Mobile First Developers, to make changes to improve app's for IBM Client's.</p>	<ul style="list-style-type: none"> *Familiarity with Apple products (iPhone, iPad, Apple Watch) *Some experience coding in at least one programming language (Swift preferred) *Strong understanding of the structure of an iOS application *Basic understanding of an iOS application life cycle *Basic understanding of UIView and UIViewController *Familiarity with Apple's Xcode application 	<p>IBM Mobile First</p>

<p>Dillard's Water Supply Website Project</p>	<p>Working with the Predictive Analytics Team at IBM, the intern will work on creating the front end website for Dillard's Water Supply. The team has already created a formula to let Dillard's know when their evaporated water has risen to dangerous levels, and this summer the intern will be creating a well designed and easy to read website to let their mechanical engineer know exactly when changes need to be made to the system to prevent harm to others.</p>	<p>*HTML*Cascading Style Sheets*Javascript*Node.js*IBM Cloud (formerly Bluemix)*UX/UI design*General design skills</p>	<p>IBM Global Markets - Cognitive Solutions Unit Industry Platforms, Technical Sales</p>
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