

Jacob A. Kring

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EDUCATION

University of Pittsburgh, Swanson School of Engineering

BS in Computer Engineering, 3.4 GPA

Expected Graduation: December, 2015

Study Abroad in Beijing, Shanghai, and Suzhou China

INNOVATE Conference: Took a class geared toward exploring the relationship between technology, globalization, and leadership in the global marketplace with students from multiple countries. This class featured a 10 day trip to China where we participated in meetings with various business and academic leaders while engaging in professional site visits to multi-national and domestic Chinese companies.

Projects

Smart Home HVAC: A full-term engineering project involving project definition, literature search, prototype design and construction with written and oral reports. Primary contributions consisted of research and investigation of home heating/cooling simulation environments as well as the development of the Android application that allowed for information to be sent to and collected from the system user.

WORK HISTORY

BNY Mellon, Summer Associate

Pittsburgh, PA

May 2015-Present

Working on BNY Mellon's Client Technology Solutions. Developing software applications around big data generated by technology infrastructure, security systems and business applications. Splunk is used to make the collection and analysis simple.

Grader

University of Pittsburgh, Electrical & Computer Engineering

January 2014-December 2014

Primary responsibility: grade homework and lab reports for two ECE courses. Extensive feedback provided.

- **ECE 0501 Digital Laboratory:** basic concepts of digital circuits, simulation and instrumentation.
- **COE 0147 Computer Organization and Assembly Language:** a heavy focus on MIPS assembly language and its interaction with a RISC computer architecture.

Emerson Process Management, CO-OP Engineer

Pittsburgh, PA

January 2013-August 2014

Assisted lead engineers with major projects for several months. Utilized the Emerson Ovation software to implement process controls and develop graphics for new generation power plants. Additionally custom algorithms were built using a modified C language.

- Created a moving average algorithm for chaining multiple blocks of the algorithm to overcome the memory limitations for the controllers that were implemented in the modified C language.

SKILLS

- Java, Android, MATLAB, VHDL, Python, PHP, HTML, CSS, Process Control, Fluent in American Sign Language