

Adam Christopher Heacock

Virginia Polytechnic Institute and State University

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Objective

To obtain an internship or Co-op in the field of Computer Engineering specifically focusing on system design and construction.

Availability

Summer and/or Fall 2015

Education

- **Bachelor of Science: Computer Engineering**, *expected graduation May 2016*
 - Virginia Polytechnic Institute and State University, Blacksburg, VA
 - **GPA: 3.28; in Major: 3.51**
 - Music Minor

Work Experience

- **Technology Assessment and Transfer, Inc.**, Millersville, MD; Summer 2013, *Intern*
 - Created new algorithms for the white light inspection of parts and comparison to CAD specifications.
 - Implemented the solution conducting Repeatability and Reproducibility studies.
 - Worked with precision parts created through Ceramic Stereolithography.
 - Created Quality Control reports which used dimensional thresholds to determine whether a part was suitable for use.
- **M&T Bank Stadium**, Baltimore, MD; 2008-present
 - Cashiered during events with more than 70,000 people in attendance, in the largest concessions stand in M&T Bank Stadium.
 - Worked in fast paced environment.
 - Communicated effectively with customers
 - Oversaw new cashiers and assisted in their acclimation to the stadium environment.

Related Coursework

- **Introduction to Data Structures and Software Engineering**
 - Introduces data structures, algorithms and abstract data types.
 - Implementation of algorithms to sort and search various data types in C++.
- **Introduction to Computer Engineering**
 - An introduction to the design and operation of digital computers, with a focus on the relationship between hardware and software.
- **Microcontroller Interfacing**
 - Teaches the development of software for microcontroller systems using high-level programming language.
 - Teaches use of common communication protocols.

Technical Skills

- System Assembly
- Microsoft Windows XP - 8
- C++/C, MATLAB, LabVIEW, Python
- FPGA using Verilog
- Geomagic Qualify/Control
- White Light 3D Scanning
- Microsoft Visual Studio
- Linux/Unix

Activities/Skills

- **Galileo Living/Learning Engineering Community: Committee Member 2012-present**
 - Lived in a community with many other engineers
 - Formed study groups to learn material
 - **Member of Service Learning Committee**; responsible for providing opportunities for others to serve the community
- **Tang Soo Do Karate Organization: Head Instructor/Secretary 2012-present**
 - **Lifetime Member: International Tang Soo Do Federation 2005-Present**
 - Taught classes of up to 25 students multiple times each week
 - Certified by federation as a tournament referee
 - Lead student black belts to help them become role models for younger students.

Awards/Honors

- 2nd Degree Black Belt
- Member of Virginia Tech Symphony Band 2012-present
- International Baccalaureate Diploma