Christopher D Tannock

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Education

Northeastern University, Boston, MA May 2018

Candidate for Bachelor of Science in Electrical Engineering, Minor in Mathematics **Major GPA:** 3.70; **GPA:** 3.22

Relevant Courses:

Circuits & Signals	Electronics I	Algorithms
Embedded Design	Nonlinear Dynamics	Probability & Statistics
Diff Equations w/ Linear Algebra	Assistive Robotics	Entrepreneurship: Innovation

Extracurricular Activities:

American Institute of Aeronautics and Astronautics, Institute of Electrical and Electronics Engineers, Husky Ambassadors Tour Guide, Part-Time Admissions Assistant, Intramural Soccer, Broomball

Engineering Experience

Keurig Green Mountain – Burlington, MA | Embedded Software Co-op July - December 2015

- Expanded on a pre-existing VB.NET application to extract serial communication data from new appliances for the Data Analytics team
- Designed a PC UI application to quickly test SPI communication between PIC MCUs and TotalPhase adapters
- Developed hardware peripheral modules and embedded unit tests in C
- Refined coding standards and templates with configurable code beautifier to unify software team efforts

Massachusetts Institute of Technology: Lincoln Laboratory – Lexington, MA | Research Intern Summer 2014

- Created MATLAB executable functions to increase runtime performance when extracting oceanic data at various resolutions within bathymetric databases
- Compiled and implemented sonar modeling and simulation software for use with sound velocity profiles and gridded bathymetry models

Naval Undersea Warfare Center – Newport, RI | Student Intern Summer 2012 & 2013

- Scanned various material samples with a terahertz imaging sensor and processed signal data in MATLAB showing hidden defects and subsurface structures
- Performed experiments and analyzed stress levels in towed arrays with a mechanical shaking device and data collection software
- Built two underwater acoustic transducers alongside research engineers and calibrated both transducers in world-class evaluation facilities

Skills and Qualifications

Software Skills:

- **Languages**:
  - C/C++, MATLAB, VB.NET, XML
- **Productivity Tools:**
  - Atlassian JIRA and Confluence
- **Version Control:**
  - SourceTree and BitBucket

Microcontrollers:

- **Devices**:
  - Microchip PIC
- **Hardware Peripherals:**
  - Timers, Interrupts, UART/SPI/I2C
- **Debugging Tools:**
  - TotalPhase I2C/SPI Host Adapter
  - ICD 3 In-Circuit Debugger

Miscellaneous:

- Government security clearance level: Secret (current)
- Knowledge of Simulink, SolidWorks, and Microsoft Office
- Exposure to soldering, oscilloscopes, Multisim, PSpice, AutoCAD, and VHDL

Background and Interests

- Interested in hands-on electrical and computer engineering, the aerospace industry, connected devices, consumer electronics, and the Internet of Things
- Avid snowboarder with annual season passes to east coast mountains since elementary school
- Rhode Island high school state champion, captain, and “First Team All-Division” athlete in the sport of varsity soccer