

# Drew Buckley

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## EDUCATION

### Wentworth Institute of Technology | Boston, MA

Bachelor of Science in Electrical Engineering; Minor in Applied Mathematics  
GPA: 3.94/4.00

*Relevant Courses:* Calculus (I, II, III), Physics (I, II), Network Theory (I, II), Digital Logic, Chemistry I, Microcontrollers with C, Differential Equations, Discrete Math, Probability and Statistics with R

Expected Graduation,  
August 2019

### Harvard Extension School | Cambridge, MA

Part Time Computer Science Program  
GPA: 4.00/4.00

*Relevant Courses:* Java for Distributed Computing

Fall 2013

## SKILLS

**Hardware:** Altera DE0(-CV), cRIO, Raspberry Pi, Arduino

**Software:** ModelSim, NI Multisim, Eclipse, Git, WireShark, Visual Studio, Apache Web Server, SolidWorks, Microsoft Office

**Languages:** C/C++, Java, Python, PHP, Verilog, R, MATLAB, JavaScript, x86 Assembly, HTML5/CSS3

**APIs and Libraries:** Android SDK, OpenGL, Boost C++, Apache Commons, JNI

**Operating Systems:** Windows (XP-10), Linux

## RELEVANT EXPERIENCE

### Computer Science Dept. Work Study | Wentworth Institute of Technology, Boston, MA

*Programmer*

Codebase: [github.com/lawrancej/logisim](https://github.com/lawrancej/logisim), [github.com/drew-buckley/logisim](https://github.com/drew-buckley/logisim)

- Contributed to the open source fork of Logisim project
- Reviewed/vetted code contributions and implemented new functionality
- Identified and remedied project bugs

October 2015 – April 2016

### Beaver Country Day School's FIRST Robotics Team | Beaver Country Day School, Chestnut Hill, MA

*Lead Programmer & Co-Captain*

- Designed software for cRIO controller that included autonomous functionality
- Supervised and taught C++ FIRST cRIO API to team of three to four programmers

September 2007 – August 2010

## INDEPENDENT PROJECTS

### XMosh – Modular Cryptographic Hashing Tool

Codebase: [github.com/drew-buckley/xmosh](https://github.com/drew-buckley/xmosh)

- Designed and developed project independently
- Implemented the MD5 and SHA family of hashing algorithms in C
- Documented, licensed and published the project as an open source product

January 2014 – Present

## OTHER PROFESSIONAL EXPERIENCE

### Massachusetts Audubon Society, Drumlin Farm Wildlife Sanctuary | Lincoln, MA

*Summer Camp Resource Coordinator (Seasonal)*

- Managed summer camp food and supplies inventory
- Ensured onsite kitchens met Massachusetts state commercial kitchen standards
- Acted as a liaison between summer camp staff and general staff

May 2015 – September 2015

### Trader Joe's | Needham, MA

*Section Leader/Crew Member (Full-time)*

- Managed, merchandised, and ordered for the store's meat section
- Provided customer service to a diverse clientele
- Prepared product samples in a commercial kitchen

September 2013 – May 2015

### Massachusetts Audubon Society, Drumlin Farm Wildlife Sanctuary | Lincoln, MA

*Administrative Assistant & Teacher Naturalist (Full-time)*

- Planned and lead themed tours throughout the farm and wildlife sanctuary
- Updated and queried program registration database
- Performed miscellaneous office tasks as needed (including work with Microsoft Excel)

September 2010 – September 2013