Aaron Bowen

I have a passion for building the future.

Tufts University • 363 Hillsides • Medford, MA 02155 • (480) 442 0428 • aaron.bowen@tufts.edu

---

EDUCATION

Tufts University, Medford, MA
Bachelor of Science in Computer Engineering, May 2017
GPA: 3.48, Dean's List 3 of 3 semesters

RELEVANT COURSES

Algorithms, Machine Structure and Assembly Language Programming, Linear Algebra, General Electronics, Digital Electronics, Differential Equations, Vector Calculus
Audited: Data Structures

PROJECTS

Collaborated with a team of student entrepreneurs to develop an Android app for college students (self-taught Android development)

Pair-programmed a universal Turing machine emulator with 14 unique instructions

Built a program according to narrow specifications to compress a PPM image by 75% and to decompress it back to its original format

Developed a program to narrow specifications to rotate an image while maintaining good locality

TECHNICAL SKILLS

Languages: C, Java, C++, MySQL, SQLite, XML, HTML, VBA
Development Tools: RESTful API, GitHub (github.com/aareano), Slim PHP web framework
Foreign Languages: Spanish (intermediate), German (intermediate)

EXPERIENCE

Olin College of Engineering REU   Needham, MA
Undergraduate Engineering Education Researcher   *Summer of 2014*
- Researched engineering education by collaborating with professionals in the field and compiling literature reviews
- Analyzed data for human research with a small team of students and mentors
- Implemented qualitative and quantitative statistical analysis with R and Excel

Superior Diesel Inc.   Rhinelander, WI
Summer Intern   *Summer of 2013*
- Learned the basic functions of the Purchasing, Engineering, Production, Sales, and Accounting departments by rotating through each
- Self-taught VBA to create Excel macros for the automation of data formatting in several departments and company-wide inventory organization

Ponsse North America Inc.   Rhinelander, WI
General Assistant   *February – June 2013*
- Maintained shop cleanliness and order, and assisted mechanics with Ponsse machine repair (large industrial forest harvesters)

Michigan Tech. University – Kemp Natural Resources Station   Woodruff, WI
Shoreline Restoration Ecologist   *Summer of 2012*
- Gathered forest measurements and wildlife data for large database.
- Planting vegetation and employed erosion control

ACTIVITIES

Tufts Engineering Mentors, Assistant Director of Operations