

Aaron Bowen

Tufts University • (480) 442 0428 • aaron.bowen@tufts.edu

EDUCATION	Tufts University , Medford, MA Bachelor of Science in Computer Science and Electrical Engineering, 2017 GPA: 3.52, Dean's List 4 of 4 semesters	
RELEVANT COURSES	Algorithms, Programming Languages, Programming Languages, Computer System Security, Data Structures (audited) Machine Structure and Assembly Language, Linear Systems, Microprocessor Architecture, General Electronics, Digital Electronics	
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 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#, C, Java, SQL, PowerShell JavaScript (jQuery, Ractive), CSS, C++, Python, Perl Development Tools: Microsoft SQL Server, Nancy web framework GitHub: github.com/aareano Foreign Languages: Spanish (intermediate), German (intermediate)	
EXPERIENCE	Valetude, LLC. Healthcare Software and Services <i>Software Development Intern</i>	Wakefield, MA Summer of 2015 <ul style="list-style-type: none">• Took complete ownership of several projects to create secure, data-driven web apps for internal company use, with successful completion (C#, JavaScript, SQL, Git)• Completed a self-directed database warehousing project involving data extraction from client files, data transformation and staging into a SQL database, and data loading into a production database (Powershell, C#, Python, SQL, Git)• Quickly acclimated to company culture, including finding the balance between working independence and asking questions.
	Olin College of Engineering REU <i>Undergraduate Engineering Education Researcher</i>	Needham, MA Summer of 2014 <ul style="list-style-type: none">• 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. <i>Summer Intern</i>	Rhinelander, WI Summer of 2013 <ul style="list-style-type: none">• 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

Aaron Bowen

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

REFERENCES

Adam Elnagger, Senior Developer at Valetude, LLC.

Telephone: **xxxx**

Email: aelnagger@valetude.com

Address: 401 Edgewater Drive
Wakefield, MA 01880

Debbie Chachra, Ph.D. – Research Mentor, Associate Professor of Materials Science

Telephone: (781) 292 2546

Email: debbie.chachra@olin.edu

Address: Olin Way
Needham, MA 02492