

# Aaron Bowen

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EDUCATION	<b>Tufts University</b> , 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, Computer System Security, Machine Structure and Assembly Language, Data Structures (audited), Linear Systems, Microprocessor Architecture, Digital Electronics, General Electronics
PROJECTS	<b>Evoqe:</b> Collaborated with a team of student entrepreneurs to develop an Android app for college students (self-taught Android development) <b>Turing Emulator:</b> Pair-programmed a universal Turing machine emulator <b>Image Compression:</b> Built a program according to narrow specifications to compress a PPM image by 75% and to decompress it back to its original format <b>Blood Pulse Oximeter:</b> Designed and constructed an infrared pulse oximeter sensor and signal cleansing circuit
SKILLS	<b>Languages:</b> C#, C, Java, SQL, JavaScript, CSS, C++, Python, Perl, Visual Basic <b>Software:</b> Git, Microsoft SQL Server, Vim, PowerShell <b>Frameworks and Technologies:</b> Nancy web framework, .Net Framework, jQuery <b>Hardware:</b> breadboard wiring, soldering <b>Foreign Languages:</b> Spanish (intermediate), German (intermediate)
EXPERIENCE	<div><div><b>Valetude, LLC. Healthcare Software and Services</b> <i>Software Development Intern</i></div><div>Wakefield, MA Summer of 2015</div><ul style="list-style-type: none"><li>Led several projects to create secure, data-driven web apps for internal company use, with successful completion (C#, JavaScript, SQL, Git)</li><li>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)</li></ul></div> <div><div><b>Olin College of Engineering REU</b> <i>Undergraduate Engineering Education Researcher</i></div><div>Needham, MA Summer of 2014</div><ul style="list-style-type: none"><li>Researched engineering education by collaborating with professionals in the field and compiling literature reviews</li><li>Analyzed data for human research with a small team of students and mentors</li><li>Implemented qualitative and quantitative statistical analysis with R and Excel</li></ul></div> <div><div><b>Superior Diesel Inc.</b> <i>Summer Intern</i></div><div>Rhineland, WI Summer of 2013</div><ul style="list-style-type: none"><li>Learned the basic functions of the Purchasing, Engineering, Production, Sales, and Accounting departments by rotating through each</li><li>Created Visual Basic macros in Excel for the automation of data formatting in several departments and company-wide inventory organization</li></ul></div>