Oliver H.B. Scott

Boston, MA • (310)-663-8323 • oliverhbscott@gmail.com • www.oliverhbscott.me

Experience

May 2015 - *Feb. 2016*	**N12 Technologies, Cambridge MA** *Systems Engineer, Internship* • Architected and implemented a closed-loop control system for a distributed system of machines, sensors, and devices, improving system reliability severalfold. • Developed C APIs for five third-party devices for integration into the control loop. • Lead the automation of data collection by implementing N12's first RDBMS using MariaDB.
July 2014 - *Dec. 2014*	**Meditech, Framingham MA** *Data Repository Programmer, Internship* • Increased usability of data for customers by assisting in the migration of data from proprietary data formats to equivalent MySQL tables. • Resolved 38 bug requests using SQL and two proprietary languages during a period in which the team's bug count fell from 149 to 86. By year's end, the bug backlog had dropped 41% from the previous year.

Projects

America SCORES	• Key contributor in designing and implementing backend components for a web and mobile product commissioned by a local NGO. • Designed and developed a RESTful API using Node.js, Express, and MySQL. • Coded tests using Mocha and Chai as part of a test-driven development workflow.
Senior Capstone	• Developed a drone capable of fully autonomous flight using all open-source hobbyist technologies. • Designed and implemented a Python controls program to evaluate onboard telemetry and camera information to generate the motor commands necessary to follow a target at a fixed distance.
Orator	• MakeBU Hackathon, 2nd Place. • Leveraged jQuery, AngularJS, and various open source libraries to develop a web application aimed at offering constructive feedback for public speaking.
Weather Applet	• Implemented Google's Geolocation API and the ForecastIO API to develop a full-stack forecasting applet. • Leveraged PHP, MySQL, and JQuery to access and visualize current, past, and future weather trends.

Education

Jan. 2017	**Northeastern University, Boston MA** *Bachelor of Science in Computer Engineering with a minor in Computer Science* GPA: 3.76, *Magna Cum Laude* Eta Kappa Nu IEEE Honors Society, University Honors Program, Dean's Merit Scholarship Recipient Courses: Machine Learning • Algorithms and Data Structures • Object Oriented Design • Computer Networks • Programming Languages • Introduction to Computer Science Clubs: NU Hacks, Wireless Club, Toastmasters International, NUTV Marketing Director.

Skills

Technical	Languages/Frameworks: *High Proficiency in:* Java, C/C++. *Experience with:* Javascript, Node.js/Express, Mocha/Chai, CSS, Python, SQL. Tools: Git, Confluence, Jira, VMware, MySQL, Labview, OS X, Linux.
Presenting	Toastmasters: Active participant in both the Northeastern & Santa Monica chapters. NUTV: E-Board Marketing Director for the university's video production club. Executive Producer, director and writer for the Entertainment department. Host for the bi-annual award show.
Misc.	UK and US citizen, limited working fluency in Spanish, cyclist, comedy enthusiast.