Kyle Slinger

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EDUCATION

Tufts University Medford, MA **(2011–2015)**

B.S. Electrical Engineering Honors

RELEVANT COURSEWORK

Web Programming	Computer Science in C++
Microprocessor Architecture	Data Structures in C++
Digital Image Processing	Digital Electronics
Multivariable Calculus	Differential Equations
Digital Logic Systems	Communication systems
Engineering Management	Feedback Control

EXPIERENCE

NetXperts – Network Engineer **(June 2015–Present)**

-Perform active site surveys designing a wireless network that also supports voice.
-Perform 802.11g/n passive validation site surveys using the "As-Built" design and locating gaps between access points in both 2.4 GHz and 5.0 GHz.
-Create plans to fix RF gaps that have been discovered. This generally involves recommending the installation or movement of access points to provide full coverage within the space needed.
-Help senior engineers modify or construct Networks for businesses, schools and hospitals

Tufts Varsity Baseball Team **(2011-2015)**

-Dedicate 30-40 hours/week in season, 10-20 hours/week in off season
-New England Division III Pitcher of the year 2014
-1st team All American Division III 2014
-Captain 2015

Engineering Projects

Song Search Engine **(2014)**

-Created a search engine for a large database of songs and their lyrics.
-A specific word was typed and the top ten songs that contain that word were given to the user.
-Implemented various C++ data structures and algorithms to create a program that would run quickly and effectively with large amounts of data.

Swarm Robot **(2014)**

-Designed and constructed an autonomous swarm robot that communicated with one other robot to detect sites of chemical toxicity (imitated by colors instead due to potential hazards).
-Made use of an ARDUINO board, H-bridge, light sensors, LED's, infra-red communication, collision detection mechanism, and an electro-mechanical drive system to accomplish the task.

Solar Insolation Calibration Device **(2014-2015)**

-Designing and constructing a hemisphere-like device that will be used to measure the amount of power (Watts per square meter) being distributed on a surface at a given angle using individual electrical components and LabView Software.

SKILLS

C++, C, HTML CSS, JavaScript, Ruby on Rails, Git, Linux, Assembly, Visual Basic, Matlab, AutoCAD, Digital Circuit Design, Networking