

Nicola Thomson

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EDUCATION

Tufts University, Medford, MA

Bachelor of Science in Computer Engineering, expected May 2016

GPA: 3.53

Roedean School, Brighton, UK, Graduated June 2012

A Level Degree, concentration in Physics, Mathematics, Theatre Studies

School Prize for Physics, Rosamund Smith Memorial Cup for Performing Arts

RELEVANT COURSEWORK AND PROJECTS

Courses:

Intro to Digital Logic Circuits, Electronics 1, Data structures, Web Programming, Engineering Graphics, Simple Robotics, Multivariable Calculus, Differential Equations, Discrete Mathematics, Intro to Computing in Engineering, Intro to Electrical Systems, Intro to Mechanics Statics and Dynamics, Computational Theory.

Projects:

Timer Project: Created a fully functional countdown timer with alarm and visual display using several ICs with two partners

Homemade speaker project: Created a working speaker out of common materials and a voice coil with three partners.

QuickSplit: Designed and programmed a web application which finds the best way to split a check when a group is paying in cash, by seeing who can make change with whom, with three partners

Boggle Solver: Programmed in C++ a program to solve a boggle board, and check and score user answers

SKILLS

Software: LTSPICE, AutoCAD, Autodesk Inventor, SolidWorks MathCAD

Programming Languages: MATLAB, C++, Visual Basic, LabView

Web Design: HTML, CSS, JavaScript, Bootstrap, AngularJS

EXPERIENCE

IBM, Littleton MA

Software Developer Intern, June 2014 – August 2014

- Redesigned the change your password workflow for the Emportis Suite product to make it more responsive and mobile friendly using AngularJS and Bootstrap
- Implemented unit and end to end tests using Karma and Protractor
- Worked as part of a larger team to rework the entire log in workflow to be more responsive and to improve ease of testing and later adjustment of the page

AWARDS

Duke of Edinburgh's Award

- Achieved Gold award in 2013
- Achieved Bronze award in 2010

ACTIVITIES/ INTERESTS

Institute of Electrical and Electronics Engineers, Member, April 2014 - Present

Tufts Robotics Club Member, September 2013 - Present

Boston Cares Volunteer, July 2013 – August 2013

Tufts Ballroom Dance Team Social Coordinator, September 2012 -Present

Tufts Opera Ensemble Member, September 2012 - Present

Special Friends Program Volunteer, September 2012 – May 2013