Brendan Caporaletti

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MB 109,1000 Olin Way
Needham, MA 02492

Education

Franklin W. Olin College of Engineering - Needham, MA — May 2016
Candidate for BS in Electrical and Computer Engineering — GPA: 3.65
Software Design, Computer Architecture

Henry M. Gunn Senior High School - Palo Alto, CA — June 2012
Honors Diploma, National Merit Semifinalist, AP Scholar — GPA: 4.0+
AP Computer Science, AP Physics C

Skills

Java - *3 years of experience including object oriented design patterns and data structures.*
Objective C - *Experience with the Cocoa Touch framework and mobile application development.*
Other Languages: **Arduino, Python, MatLab, Scheme**

Technical Experience

Stanford University Center for Policy, Outcome, and Prevention

Mobile App Developer - Stanford, CA — November 2012 - Present
Developing the front end user experience utilizing the Cocoa Touch framework to create interactive mobile health monitoring services and games.

Computer Science Teaching Assistant

School Year 2011-2012
AP CS Java TA, Intro to CS TA - Palo Alto, CA
Helped students learn Java in preperation for the AP CS Exam, while introducing freshman to programming using Scratch.

Heroic Imagination Project

August 2010 - December 2011
Computer Lab Liasion - Palo Alto, CA
Set-up and managed a computer lab for seniors to learn basic applicaiton skills. Recruited and organized a team of volunteers to interact with our users.

Projects

Stroll - an IOS Application

Lead Developer - Palo Alto, CA — July 2013 - Present
Currently coding the core app functions including, the step counting algorithm, real time data display, as well as user experience functionality.

Genetic Algorithms - an Exploration of Coevolution

Team Member - Neeham, MA — March - May 2012
Created a coevolving simulation which pits predators and preys in an endless competition. Wrote the mutators, crossovers, and selectors to run the GA.

Leadership

FIRST Robotics Mechanical Captain

January - May 2011, 2012
I lead design and fabrication for the Gunn Robotics Team 192 winning the 2012 Chesapeake Regional.