THOMAS NATTESTAD

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**EDUCATION**

Olin College of Engineering Needham, MA May 2016

Candidate for Bachelor of Science in Electrical and Computer EngineeringGPA: 3.5

**PROFESSIONAL EXPERIENCE**

Google Mountain view, CA

*Product Manager May 2015 - August 2015*

* Worked on the Course Builder open source platform to outline and assist with implementation of several large changes to vastly improve usability of the product
* Conducted several user studies and interviews to understand the needs and pains of the user
* Bridged the gap between user needs, UX ideals, and the requirements of engineering to create exact specifications for well designed and useful features

Intuit Mountain view, CA

*Software Engineer May 2014 - September 2014*

* Main project is currently being used on 2 Intuit products by millions of people daily
* Worked on a team of 7 people as a software developer doing front-end work with Backbone.js and Bootstrap, as well as back-end work in Java with Spring MVC
* Worked within large codebase; interfaced with the even larger Intuit ecosystem regularly
* Simplified server work and implemented new client-side organization to improve organization and load time

GRABCAD CAMBRIDGE, MA

*Android Developer May 2013 - September 2013*

* Worked in an intensive startup environment on a 3 person team using scrum agile methodology
* Interfaced with Ruby on Rails API to show and organize content relating to collaborative on CAD
* Build and developed the first ever visualizer of CAD files on the Android platform
* Contributed over 23,000 lines of code through git source control management

**PERSONAL PROJECTS**

* Independently learned iOS and developed 13 iPhone applications, which have been downloaded over 50,000 times. Apps cover wide range including puzzle games, news paper content distribution, algorithmic encryption/decryption of images, and more
* Did machine learning analysis work for Center for Disease control to better inform the public about emerging / sensationalized news stories
* Developed communication method between iPhone and Arduino using frequency encoding
* Taught a full credit 30 student course in web development with Node.js at my university
* Designed and built self-stabilizing, target-seeking 3-axis gimbal that can fit under a quad-copter

**ADDITIONAL SKILLS**

* **Programming Languages / Framework Proficiencies:** Java, Objective-C, JavaScript, C++, Python, iOS, Android, JQuery, Node.js, Backbone, Ember, Ruby on Rails, HTML + CSS, VB
* **Development skills:** Git, Agile Methodology (Scrum), Mobile Design, Test Driven Development, UI Design, UX Design, Object Oriented Design, MVC Design
* **Software Proficiencies:** MatLAB, Solidworks, Autodesk Inventor, Maya, Adobe Photoshop, Illustrator, Unity