

THOMAS NATTESTAD

1000 OLIN WAY MB 162
NEEDHAM, MA, 02492, UNITED STATES

415-827-8955
THOMAS.NATTESTAD@STUDENTS.OLIN.ED

EDUCATION

Olin College of Engineering	Needham, MA	May 2016
Candidate for Bachelor of Science in Electrical and Computer Engineering		GPA: 3.5

PROFESSIONAL EXPERIENCE

GOOGLE	MOUNTAIN VIEW, CA
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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
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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
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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