

Aaron Vontell

Android & Full Stack Web

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PROFESSIONAL PROFILE

I am a junior at Massachusetts Institute of Technology, pursuing a degree in Computer Science, with a focus on Quantum Computing. I have five years of full stack software development experience with personal projects, internships, and startups. I also have professional research experience in related fields.

WORK EXPERIENCE

● MIT CSAIL Accessibility of Mobile Apps / 2016

As an undergraduate researcher, I planned, researched, documented, and implemented an Android library that would assist developers in creating accessible applications, following guidelines from the W3C and WAI.

● MIT RLE Quantum Photonics Laboratory / 2016

As an undergraduate researcher, I configured and tested a classical control architecture (ARTIQ) that is capable of controlling single qubit systems in the form of nitrogen vacany centers in diamond, with an end goal of creating a quantum repeater.

● Battlecode Competition / 2016 - Present

I am a developer for Battlecode, an artificial intelligence programming competition which brings in over 1000 players every winter. My tasks involved building a modern website in AngularJS and Spring Boot.

● Cigna Health Insurance Company / 2014 - 2016

I completed three years of an internship at Cigna, one of the biggest health insurance companies in the US. The intership included working with Android, AngularJS, Python, and large teams of 30+ people. Within the innovations lab, I worked with new technologies such as wearables, brainwave readers, virtual reality, and gamification.

● Startup and Contractual Work / 2014 - Present

I have created Android applications and websites for Parcio (startup), CarSwipe (startup), and UpStudent, of which I am the CTO. These have included working with Google APIs, Bootstrap, iOS, Photoshop, and government officials in Boston.

EDUCATION

● Massachusetts Institute of Technology

Computer Science B.Sc 2014 - 2018

Focus on Quantum Comp. (4.7 GPA)

● University H.S. of Science and Engineering

2010 - 2014 (4.95 GPA)

NOTABLE PROJECTS

IndicatorBinder / Android Library

IndicatorBinder is an Android library that makes adding customizable indicators to your ViewPager simple.

EasyAPI / Java Library

EasyAPI wraps popular RESTful APIs into Java objects and factories so you don't have to.

ErrorCode / Website

ErrorCode is a hackathon-built website that lets developers pay others to write test cases against their code.

MathIt / Android Application

MathIt is an Android application that sends formatted LaTeX through Facebook, Telegram, and more.

PROFESIONAL SKILLS

ANDROID



JAVA



PYTHON



ANGULARJS



PHOTOSHOP



QUANTUM CO.



Additional Skills

Bootstrap / HTML5 / CSS3

Spring Framework (Spring Boot)

Consuming RESTful services

User Interface Design

Node.JS and JavaScript

Oracle's PL/SQL