

Education

Massachusetts Institute of Technology

B.S. Computer Science

Class of 2020 // Overall GPA 4.9/5.0

// In-Major GPA 5.0/5.0

Millburn High School

GPA: 4.26 // ACT 35

Languages

Experienced: Swift, Python

Proficient: Objective-C, Java,
Javascript, C++

Exploring: Node.js

Coursework

Fundamentals of Programming

Computation Structures

Embedded Systems

Introduction to Algorithms

Design and Analysis of Algorithms F17

Artificial Intelligence F17

Elements of Software Construction F17

Applied Data Visualization F17

Hackathon Awards

Reality Virtually (400 People) Oct 2017
Best Mobile AR, Best Engineering, Construction

HackMIT (1200 UG Students) Sept 2017
Best Travel Hack, Best use of Amedeus API

PennApps (1400 UG Students) Sept 2017
2nd Place

Apple WWDC (350 Awarded Worldwide) June 2017
Student Scholarship winner

Hack Princeton - (500 UG Students) Apr 2017
Best IoT Hack

MakeMIT - (250 UG Students) Feb 2017
Top Ten Hacks

HackHarvard - (500 UG Students) Oct 2016
2nd Place - (Solo team)

HackMIT - (1100 UG Students) Sept 2016
Best On-Demand Hack, Best Pusheen Reference

StuyHacks - (200 HS Students) May 2016
2nd Place, Best Hardware Hack

HackBCA III - (500 HS Students) Apr 2016
3rd Place, Best Mobile App

TreeHacks - (600 UG Students) Feb 2016
Facebook's Favorite Choice Prize

PennApps XII - (2000 UG Students) Sept 2015
Hottest Health Hack Prize

HackBCA II - (500 HS Students) Mar 2015
2nd Place

Experience

IBM Watson Research

Jan, Summer 2017

Research Intern - OpenWhisk Team

Created a playground to facilitate the process of developing and testing openwhisk functions

Developed an iOS Chat Bot interface using IBM services to facilitate the development of Chatbots using IBM Cognitive Services.

Simply plug in a backend and have a fully functional iOS Chatbot

iOS Developer (Freelance)

2015-Present

Developed an app for preordering and pickup of food at airports

Designed and created an app to handle guest lists/check in for events

Ported parts of an app that uses computer vision for basketball

dribbling analytics from Android to iOS

Now working with Posh Development on a smart inhaler app

Selected Projects

Meter

Jan 2017 - Present

Personal Project - MIT Sandbox Funded

Created with a team in order to improve parking by using the sharing economy in urban areas. Developed the iOS App that allows users to lend or rent out private parking spaces. MVP to be launched soon.

PillAR

  Sept 2017

PennApps XVI - 2nd Place

Developed an AR iOS app that helps track a user's medications and when they can and cannot take them. It uses computer vision to detect different medications, scrape for instructions from the web, then displays in AR a card with the pill information and instructions over the medication along with the safe number of pills to take.

Speak E-Z

  Oct 2016

HackHarvard - 2nd Place (solo team)

Created an iOS App that uses speech recognition to transcribe speech. Speak E-Z then analyzes your speech and gives you areas to improve, detecting filler words, sentiment, and speech pace.

Reppin

  Apr 2016

HackBCA III - 3rd Place, Best Mobile App

Built a Swift/Objective-C++ iOS App Reppin that counts your reps and motivates you during exercises. Reppin uses computer vision with OpenCV to track movement and dictate your rep count.

 [Github.com/averylamp](https://github.com/averylamp)

 [Devpost.com/averylamp](https://devpost.com/averylamp) (See my Hackathon Projects)

 [Averylamp.me/Videos.html](https://averylamp.me/Videos.html) (See Short App Videos)