

Education

Massachusetts Institute of Technology
Masters in Computer Science

Class of 2021

B.S. Computer Science, B.S. Management

Class of 2020 // Overall GPA 4.7/5.0

// In-Major GPA 4.8/5.0

Millburn High School

Languages

Experienced: Python, Java, Swift,
Objective-C

Proficient: C/C++, C#, Javascript,
Golang, Ocaml, Typescript

Coursework

Embedded Systems

Introduction to Algorithms

Design and Analysis of Algorithms

Artificial Intelligence

Elements of Software Construction

Cryptocurrency Engineering and Design

New Enterprises

Performance Engineering of Software Systems

Operating Systems

Distributed Systems

Hackathon Awards

In a past life I really enjoyed hackathons

Hack Princeton (600 People) April 2018
Best AR/VR, 1517 Prize, Most Prolific Programmers

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

Experience

MosaicML

June 2021-

Platform Engineer, Research Engineer



Started building our open source ML training framework (Composer) up until our first launch out of stealth



Built our internal hyperparameter system (YAHP) with automatic argparse generation, declaritive definitions, typing, nested parameter objects
Collected data from 4k+ model configurations to aggregate our research
Designed and building our cloud infrastructure as a three part system: cli, middleware (API layer), and orchestrator (job execution)

One off projects: crypto-mining spare cycles, metrics bots, github stars

Jane Street

June 2020 - Aug 2020

Software Development Intern

Worked as a desk dev on the International ETFs Team

Released new features on an internal schedule tool to help traders

Made performance improvements to the schedule service

Pear (getpear.com)

Dec 2018 - Aug 2019

CTO

Built the backend matching code of a dating website prototype

which had 35k user signups within 4 weeks

Raised a pre-seed round of funding



Lead the technical side of product development and engineering

Developed 4 different apps to user test and validate assumptions

Google

Summer 2018

Software Engineering Intern - Google Search Assistant, Mountain View

Developed Siri extensions to allow the Google Assistant App to

respond inline with Siri and work with Shortcuts in iOS 12

Refactored and finished features on the Google Assistant iMessage Extension for production

Microsoft

Jan 2018

Garage Intern - Microsoft Garage, Cambridge

Worked on the InkToCode Garage project that converts shorthand drawings into usable and compilable XML/XAML UI code

Released InkToCode to production (Can be found on Windows Store)

Led a major refactor of the C# UWP app and how state is stored throughout the interactions

IBM Watson Research

Jan, Summer 2017

Research Intern - OpenWhisk Team, Cambridge

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

Explored the potential uses of serverless functions in Chat Bots

2015-Present

Contract Developer (Freelance)

Previously have done various freelance jobs. I have done a lot of iOS contracting for small companies and infrastructure and data pipelines for biotech. Please contact me for more details.



[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)