

EDUCATION

Johns Hopkins University

MS: Bioinformatics
2022 - Now

UC Berkeley

BA: Computer Science
BA: Mathematics
2016 - 2020

Coursework

Operating Systems
Databases
Computer Security
Algorithms
Machine Learning
Data Structures
Optimization Models
Honors Real Analysis
Financial Engineering
Abstract Algebra
Linear Algebra
Discrete Math
Probability Theory
Bio-organic Chemistry

SKILLS

Python, Go, Java
SQL (Postgres, MySQL)
FIX
Bazel
Docker
gRPC + Protobuf
Airflow
Jenkins

EXPERIENCE

Nuanced Health

Software Engineer
June 2022 - Now

The Voleon Group

Software Engineer:
Financial Backoffice
Jun 2020 - May 2022

SwEng Intern

May 2018 - Aug 2019

SaRA Health

SwEng Intern
Dec 2017 - Feb 2017

AbbVie

Database Intern
May 2017 - Aug 2017

PROJECTS

Dragon-Bot

Developer
Aug 2017 - Now

HMWK.IO

Developer
Calhacks 3.0

- First engineering hire! Reporting directly to the CTO.
- Working on research infrastructure and the data platform, building our systems from the ground up.
- Working to empower drug discovery.
- Developed ETL pipelines to automate financial processes using Python, SQL, Docker, and other stuff in Airflow.
- Worked closely with with traders, accountants, and brokers.
- Established custom FIX and file delivery pipelines with brokers and counterparties using custom Python libraries.
- Performed technical interviews and job remediation, and worked on improvements to our infrastructure.
- Built a full stack application using Go + gRPC + Protobuf for traders to communicate with systems concurrently.
- Built an automatic regression testing pipeline in Python for machine learning models.
- Worked with a lot of Bazel, Docker, and Jenkins.
- Worked with a small startup team to create a new system for physical therapy.
- Used Flask, Docker, Python, AWS (Elastic Transcorder), and HTML to create the video upload system.
- Worked with Scientific Affairs in the pharmaceutical department.
- Wrote scripts in Python to process files and amalgamate data into the Scientific Affairs database.

- Building a Discord bot from the ground up in Python.
- Contributed to building a CI/CD pipeline for Gitlab.
- Developed functionality for providing weather data, stock price/info, Google Image Search, and meme generation.
- Developed a web app using computer vision to parse homework and provide relevant resources.
- Built with Node.JS, MongoDB, OpenCV, AWS, and the MEAN Stack (REST + CRUD).