

Education

University of California, Santa Barbara

Bachelors of Science, Computer Science | Minor in Statistics | **GPA: 3.62**

September 2017 - December 2020

Experience

Machine Learning & Data Science Intern

HP Inc.

June 2019 - August 2019

- Implemented various Big Data methodologies to establish an efficient data pipeline for **8+** years worth of hp.com consumer data.
- Streamlined data science and machine learning process for staff engineers by deploying new database architectures.
- Trained a reinforcement learning model to create propensity scores based on audience behavioral insights.

Software Engineer

Karlyan

June 2019 - September 2018

- Created an integrated development environment (IDE) for switch/router programming with intuitive UI utilities using the MEAN stack.
- Implemented a company-wide workflow to efficiently increase month-over-month platform usability by **13%**.

Data Analyst

UCSB Neuroscience Institute: Goard Labs

November 2017 - June 2018

- Produced and maintained high quality code to analyze and display data based on mice response to virtual reality (VR) stimuli.
- Developed hardware and software tools to automate the process of handling mice in a VR rig with Arduino, Matlab, and Python.

Projects

Ypredictor // Python, Tensorflow

- Designed and coded a reinforcement learning model to predict future stock prices for popular stocks traded on the NYSE.
- Provided stable economies with improvements occurring in each iteration with a **91%** accuracy.
- Implemented sentiment analysis derived from Twitter mentions.

GitLeg // HTML/CSS/JavaScript, React, Node.js, Postman, MongoDB

- Created a bootleg cloud storage system using encrypted storage in private Github repositories through a web interface.
- Implemented a dashboard interface using React and Bootstrap with a backend in MongoDB.

Electron (Open Source Project) // Javascript

- Resolved various open bug and documentation issues on an open source platform.
- Improved user experience for a library used by **200,000+** developers.

Where-is-every1.github.io // HTML/CSS/JavaScript, Spark Java, Java, Selenium, Heroku

- Worked with a team of **5** to scrape and process public university course data.
- Deployed a software tool to extrapolate department population insights based on course data.

Skills

Programming Languages

Go, C/C++, Java, Python, SQL, HTML/CSS/JavaScript

Technologies/ Frameworks

Tensorflow, OpenCV, Vertica, AWS (Redshift/S3), Android Studio, Tableau, MongoDB, Kubernetes, Docker, Spark Java, Selenium, React, Angular, Spring, Heroku, Postman, Atlassian, Git, Node, Maven

Leadership

SB Hacks // Development & Sponsorship Coordinator

- Designed and coded "SB Hacks 5" website to reach **5,000+** visitors.
- Sourced and onboarded sponsors for "SB Hacks 5" including but not limited to **Google, Bloomberg, SpaceX, and Firebase**.

Ravaani Acapella // Media and Music Director, Beatboxer and Bass

- Wrote vocal and percussive arrangements for local and competition performance.
- Scripted, directed, and filmed music videos for promotions and pre-performance introduction

UCSB Ultimate Frisbee // B-Team Captain

- Lead a competitive ultimate frisbee team of 20 players in national and regional competitions
- Oversee conditioning and gym performance throughout the academic year

Awards

National Merit Scholar Finalist

Dean's Honors List

National AP Scholar