VICTOR FIGUEROA

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INTERNSHIPS

Twitter — Software Engineer — Jun 2021 – Aug 2021

- Software Engineering Intern on Twitter's Revenue Platform Team
- Improving user experience and workflows of advertising customers
- Representing my team in a cross-functional project spanning all facets of the business
- Designing and developing advanced analytics to improve the effectiveness of ad campaigns
- Supporting multiple ad formats contributing to $3 Billion and growing worth of yearly revenue
- Working alongside my team to implement a new feature for advertising customers improving their workflows by 10X

Jun 2020 – Aug 2020

- Identified valuable tests to automate to ensure maximal efficiency and security
- Designed and developed a series of automated web-based UI acceptance tests in JavaScript
- Developed custom functions to abstract away layers of testing, improving test functionality
- Reviewed the features of the product, their implementation, and potential vulnerabilities by reading the Technical Design Document
- Worked with the development team to implement new test-ids to ensure the reliability and longevity of the tests
- Created a Jenkins Job for continuous integration(CI) of the automated tests, which will be added to the deployment pipeline

GE Aviation — Data Analyst — May 2019 – Aug 2019

- Provided actionable data for preventative maintenance, reducing downtime & unscheduled delays
- Automated a process for identifying missing engine data by using a third-party API
- Wrote SQL queries to pull historical data from our GreenPlumb & Postgres databases
- Presented data to airline customers highlighting maintenance trends
- Developed a Standard Operating Procedure(SOP) for bringing a new engine line into service
- Reduced excessive Customer Notification Reports and Alerts issued to customers by changing the thresholds at which alerts were generated, increasing the overall efficiency of CNRs

Google — CSSI Student — Jul 2018 – Aug 2018

- Attended the extensive Computer Science Summer Institute program at Google
- Designed and developed a full-stack web application deployed on Google App Engine
- Utilized Git for version control, enabling us to implement features with minimal conflicts
- Furthered my knowledge of Python, Javascript, and HTML/CSS through classes taught by full-time Google software engineers

Atlantis Technologies — Data Analyst — Jun 2017 – Jul 2017

- Collaborated with engineering & product teams to build a stealth mode SaaS product for providing insightful metrics for medical suppliers
- Presented critical metadata to the CEO & CTO to determine more accurate and efficient ways of curating data

EDUCATION

Bachelor's in Computer Science

Boston University — Sep 2018 – May 2022 — GPA: 3.26

- Dean's List & Patriot League Academic Honor Roll
- Varsity D1 Track & Field Athlete
- Executive Board Member for SHPE
- Ignite Council Representative for SPARK
- Member of Alianza Latina, BUILDS, and ALPFA

SKILLS

Languages: Python, JavaScript, Scala, Java, SQL, C, HTML/CSS, Swift, OCaml, LaTeX

Tools: Git, Command Line, Excel, Access, Google Cloud, AWS, JIRA, Aurora Workflows

Soft Skills: Developing leader, Effective communicator & collaborator, Adaptable problem solver

ACHIEVEMENTS

- Eagle Scout
- KMF Scholar
- Atkinson Scholar
- Google CSSI Student
- Richard D. Cohen Scholar
- Hispanic Scholarship Fund Scholar

COURSE WORK

- **Undergrad**
  - Object Orientated Programming(Python)
  - Functional Programming & Data Structs.(Java)
  - Computer Systems(C & X86 Assembly)
  - Combinatoric Structures(Discrete Math)
  - Geometric Algorithms(Linear Algebra)
  - Computational Probability & Statistics
  - Concepts of Programming Languages(OCaml)
  - Analysis of Algorithms
  - Computing Systems(Java)
  - Information Security
  - Fundamentals of Data Science
  - Software Engineering(Restful APIs)
  - Full-Stack App Design & Development(MEAN)
  - Artificial Intelligence
  - Database Systems(SQL & Relational Algebra)
  - SPARK! Software Engineering Practicum(Swift)
- **Master's**
  - Machine Learning
  - Financial Informatics
  - FinTech, Blockchain, and the Future of Finance

PROJECTS

A New Path

Co-developed a web app, in five days, at Google's CSSI that helps users visualize and reduce their carbon footprint based on their commute details. It then recommends alternative modes of transportation to reduce CO_2 while maximizing cost savings. Users can then share their commitment to change with other users on their feed or other popular social media platforms.

Derm.AI

Co-developed a mobile app for skin cancer detection at Hack Harvard. The iOS app enables users to take or upload a picture of a mole from their mobile device. If the mole is potentially cancerous, users can schedule an appointment in-app with a nearby dermatologist or oncologist based on their location and insurance provider.

Trading Algorithm

Developing a trading algorithm alongside a web application that tracks the stock market. The web app will: display plots of a securities price and volume over time, generate alerts at target thresholds, and enable users to paper trade securities. Users can trade securities themselves or customize the algorithm to trade on their behalf.

Focus

Developing a landing page placing essential productivity tools in one convenient & elegant location. Google Tasks and Calendar API implementations will streamline productivity without the need for multiple tabs. Users will be able to set reminders and list their goals for the day to help them stay focused and on task.