

VICTOR FIGUEROA



EDUCATION

Bachelor's in Computer Science

Boston University

📅 Sep 2018 – May 2022 🎓 GPA: 3.35

- Dean's List & All Patriot League Academic Honor Roll
- Varsity Track and field Athlete
- Executive Board member for The Society of Hispanic Professional Engineers(SHPE)
- Ignite council representative for SPARK
- Member of Alianza Latina, BUILDS, and ALPFA

EXPERIENCE

Software Developer

Twitter

📅 Jun 2020 – Aug 2020 📍 San Francisco, CA

- Familiarized myself with the features of the product, their implementation, and what risks may have been introduced by reading the Technical Design Documentation
- Designed and developed a series of automated web-based UI acceptance tests in JavaScript
- Responsible for creating and maintaining the page object and testing files
- Developed custom functions to abstract away layers of testing, improving test readability and functionality
- 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

Data Analyst

GE Aviation

📅 May 2019 – Aug 2019 📍 Cincinnati, OH

- Responsible for escalating missing data from GE engines across the world
- Monitored engine data charts to identify abnormalities
- Automated a process for identifying missing engine data by using a third party API
- Wrote Queries to pull historical data from our GreenPlumb and Postgres databases
- Created and presented data to airline customers highlighting maintenance trends
- Provided airline customers with actionable data for preventative maintenance, reducing engine downtime, and unscheduled delays saving airlines and their customers time and money
- Met with key stakeholders and developed the framework for a Standard Operating Procedure(SOP) assisting Fleet Managers bringing a new engine line into service

CSSI Student

Google

📅 Jul 2018 – Aug 2018 📍 Pittsburgh, PA

- Furthered my knowledge of Python, Javascript, and HTML/CSS through classes taught by full-time Google software engineers
- Built a full-stack web application deployed on Google App Engine in a team of three over one week

Data Analyst

Atlantis Technologies

📅 Jun 2017 – Jul 2017 📍 Concord, MA

- Curated data for over 100,000 contacts at over 6,000 hospitals across the nation in a team of 5
- Analyzed metadata of key states to determine how to curate data more accurately and efficiently
- Collaborated with engineering and product teams to build a stealth mode SaaS product for medical suppliers providing insightful metrics for each hospital

SKILLS

Languages: Python, JavaScript, C, HTML/CSS, Java, SQL, \LaTeX

Tools: . Git, Command Line, Excel, Access, Google App Engine, Postgres, GreenPlumb, Test Cafe, JIRA, Test Rail, Pants, Arc, Lint

Soft Skills: Leadership, Communication, Problem Solving, Project Management, Ambitious, Determined, Teamwork, Adaptable, Patient, Detail Oriented, Commercial Acumen

AWARDS

- Atkinson Scholar
- Richard D. Cohen Scholar
- KMF Foundation Scholar
- Hispanic Scholarship Fund Scholar
- HSF Media & Entertainment Summit Attendee
- Eagle Scout

COURSES

- **Undergrad**
 - Object Orientated Programming(Python)
 - Functional Programming & Data Strcuts.(Java)
 - Computer Systems(C & X86 Assembly)
 - Combinatoric Structures(Discrete Math)
 - Geometric Algorithms(Linear Algebra)
 - Computational Probability & Statistics
 - Concepts of Programming Languages
 - Analysis of Algorithms
 - Fundamentals of Data Science
 - Software Engineering
 - SPARK! Software Engineering Practicum
 - Database Systems
- **Master's**
 - Machine Learning
 - Intro to Cryptography

PROJECTS

A New Path 🔗

Co-developed a web app, in five days, at Google's CSSI that would demonstrate user's carbon footprint. A New Path takes users' commute details and encourages them to reduce their carbon footprint through alternative modes of transportation while also saving them money. Users can then share their commitment to change with other users on their feed or on other popular social networking platforms.

Derm.AI 🔗

Co-developed a mobile application for skin cancer detection at Hack Harvard. The iOS app allows users to take a picture of a mole on their body and make a prediction about whether or not it is cancerous. If the mole is potentially cancerous it will prompt the user to schedule an appointment with a nearby dermatologist or oncologist.

Trading Algorithm 🔗

Developing a trading algorithm and web application to track the stock market. The web app will graph the prices of stocks over time, display alerts when certain prices or thresholds are met, and allow you to simulate trading by either buying shares of a stock or letting the trading algorithm-which will be trained with previous years' data-buy and sell stocks it views as an intelligent investments.

Focus 🔗

Developing a landing page website similar to the Momentum Google Chrome extension that will feature beautiful backgrounds and daily inspirational quotes. Google Tasks and Calendar API implementations will streamline productivity without the need for multiple tabs or your phone. The goal for this project is to place productivity tools that many professionals use in one elegant, convenient location.

**More in depth and technical descriptions are available on my portfolio website linked above*