VICTOR FIGUEROA

EDUCATION

Bachelors in Computer Science

Boston University Sep 2018 – May 2022 GPA: 3.41

Relevant Course Work

- 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
- Intro to The Analysis of Algorithms
- Fundamentals of Data Science
- Full-Stack App Design and Development
- SPARK! Software Engineering Practicum

EXPERIENCE

Quality Engineer

Twitter Jun 2020 – Aug 2020 San Francisco, CA

- Familiarized myself with the features of the product, how they were implemented and what risks may have been introduced by reading the Technical Design Document and Test Brief
- Documented manual tests in Test Rail to ensure the features' functionality and stability
- Identified valuable tests to automate in order to ensure maximal efficiently and security
- Automated tests using Twitters repackaged version of Test Cafe to simulate user interactions in JavaScript by manipulating the DOM
- Created a Jenkins Job for continuous integration(CI) of the automated tests, this job will then be added to a deployment pipeline

Fleet Support Engineer

GE Aviation May 2019 – Aug 2019 Cincinnati, OH

- Analyzed Customer Notification Reports and data from the GE90, GP7200, and CF34 engines to maximize the engine's "time on wing"
- Assisted in preventing potential incidents by recommending preventative maintenance based on flight data
- Reduced excessive CNRs and Alerts issued to customers by changing the thresholds at which alerts were generated, increasing the overall efficiently of CNRs
- Created the framework for a Standard Operating Procedure(SOP) assisting Fleet Managers while bringing a new engine line into service
- Created presentations interpreting customers' fleet flight data to create an action plan giving them ample time to perform maintenance without unscheduled grounding and minimizing delays

CSSI Student

Google Jul 2018 – Aug 2018 Pittsburgh, PA

- Attended the intensive Computer Science Summer Institute program at Google
- 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 the course of 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, Java, C, HTML/CSS, JavaScript, SQL, LaTeX

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

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

AWARDS

- Dean's List
- Patriot League Honor Roll
- Eagle Scout
- Richard D Cohen Scholar
- Atkinson Scholar
- Hispanic Scholarship Fund Scholar

EXTRACURRICULARS

- Executive Board member for The Society of Hispanic Professional Engineers (SHPE)
- Ignite council representative for SPARK
- Varsity Athlete on Boston University's Track Team
- Attended The National Youth Leadership Training
- Member of BUILDS, Alianza Latina & ALPFA

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.

Fitness Assistant

Developing a web and mobile application that allows users to plan, save, and track their workouts. Features include: watching YouTube videos demonstrating proper form for a given exercise, learning new exorcist that target specific muscle groups, saving new exercises to your own plan, following goal-oriented workout paths or creating custom plans, and tracking body measurement metrics and overall progress.

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