Jeremy Frank

(805) 422 2917 | jeremy.p.frank@gmail.com | https://github.com/jeremypfrank | www.linkedin.com/in/jeremypfrank

EDUCATION

University of California San Diego | Bachelor of Science in Computer Science — Expected June 2027

- *Track & Field*

Thousand Oaks High School | High School Diploma | AP Capstone Diploma — Aug. 2019 – June 2023

- GPA: 4.8/4.0 | Valedictorian | 2023 Scholar-Athlete of the Year
- *Captain*: Varsity Track & Field | All-State Honorable Mention | School Record Holder
- *Volunteer*: ENGin | Math Tutoring | Thousand Oaks Library (Customer Service)

PROJECTS

***FreeWeight* Workout App** | *Java, XML, Android Studio, Mobile App Development*

- Full-Stack Android app using Android Studio, Java, & XML providing software engineering experience
- Promoted users' health and long-term habit development through effective mobile app design and implementation
- Designed & implemented a user-centric interface to allow users to log, manage, and generate custom workouts
- Applied responsive design principles and XML layout specifications to ensure seamless user interactions across device types and screen sizes, enhancing the app's accessibility and user experience.

Reddit Stock Scraper | *Python, Praw, YFinance*

- Scrapes a list of the most talked about stocks from Reddit financial communities on any given day, sorting them and providing rudimentary financial analysis
- Implemented web scraping, data cleaning, and error handling, significantly decreasing financial research time
- Investors can utilize the program to understand the general direction of stock-market-based conversation on Reddit and better inform their own investments

Track and Field Data Scraper | *Python, HTML Requests, Beautiful Soup 4, MatPlotLib*

- TFRRS.com scraper Implementing web scraping, data cleaning, and data parsing techniques to gather and present vital performance insights for coaches, athletes, and analysts 98.9% faster than existing manual methods
- Runs a team competition simulation, autonomizing and decreasing competition calculation prep time by 57.5%

Hackathon Projects | *HTML, CSS, JavaScript, Web Development*

- Completed 2 hackathons with diverse teams, creating webpages with HTML,CSS, & JavaScript
- Halloween Mad-Libs, full-stack, first project, team won best beginner project & cash prize

Forage Virtual Internship (Lyft) | *Python, GitHub, UML, OOP*

- Refactored messy backend Python codebase, decreasing development time to add new models and attributes
- Utilized unit testing and test-driven development to implement new functionalities and fulfill business objectives

Forage Virtual Internship (Electronic Arts) | *C++, GitHub, UML, OOP*

- Wrote formal proposal & drafted UML class diagram for new game mechanic to boost user engagement & retention
- Constructed C++ class framework with class & method headings for a new mechanic
- Refactored, debugged, & added functionality to an old/outdated codebase in C++

Forage Virtual Internship (JP Morgan Chase) | *Python, GitHub, Git, TypeScript*

- Completed hypothetical developer tickets, updating & adding functionality to codebases
- Utilized open-source application *Perspective,* interfacing with stock price data feeds with Python and visualizing security data for traders to analyze with TypeScript

EXPERIENCE

Student Researcher — Aug. 2022 – Mar. 2023

California Lutheran University | Thousand Oaks, CA

- Received instruction in statistical analysis techniques and learned basic data cleaning and analysis
- Completed original research project, paper, and presentation, extracting 20 years of economic data from the US Census Bureau and analyzing over 4 million data points before visualizing and presenting our findings
- My team identified notable economic inequities in our target demographic and proposed actionable policy solutions

SKILLS

Languages: Python, Java, HTML, CSS, R

Dev Tools: GitHub, Anaconda, Spyder, RStudio, Microsoft Excel, Visual Paradigm, Android Studio

Libraries: NumPy, Praw, YFinance, Requests, Beautiful Soup 4