Jason Ang

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EDUCATION

University of Florida
Gainesville, FL

Bachelor of Science in **Computer Science** and Minor in **Economics**, Honors Program   GPA: 3.94/4.00, April 2025

Notable Coursework: Data Structures and Algorithms, Natural Language Processing, Information and Database Systems, Probability/Computational Math, Intermediate Microeconomics

Dual Enrollment at Florida Gulf Coast University
Fort Myers, FL

Bachelor of Science in Biotechnology   GPA: 3.97/4.00, May 2022

Notable Coursework: Calculus 3, Physics 2, Chemistry 2, Biology 2, Linear Algebra

TECHNICAL SKILLS

Languages: Python, C++, R, HTML/CSS, mySQL (beginner), React/Nextjs (beginner), javascript (beginner)

Developer Tools: Github, Git, PyCharm, Jupyter Notebook, Google Colab, Clion, R Studio, Replit, VS Code, Visual Studio, Tableau (beginner), AWS (beginner)

Certifications: Google Data Analytics Certificate

EXPERIENCE

Computational Research Assistant
September 2023 – Present

Prentice Lab at University of Florida
Gainesville, FL

- Designed and managed user-friendly web app for users/clients in python/react, processing complex mass spectrometer matrices
- Collaborated with chemist to provide computational solutions, yielding unique insights into molecular pathology
- Created intuitive interface for diverse users, enhancing accessibility to bio-analytical data

Teaching Assistant
August 2023 – Present

COP3503C Programming Fundamentals 1 (Python)- University of Florida
Gainesville, FL

- Led presentations for programming labs, assisted students during office hours, and graded student projects/exams

Medical Assistant
April 2022 – August 2022

Naples Vascular Specialists
Naples, FL

- Consulted and extracted information from a variety of patients to supply the clinic's medical database
- Assisted in the OR room as a backup assistant by preparing and collecting medical equipment for surgery
- Trained new medical assistant to follow check-in procedures and daily routines

PROJECT

LegendAI Website | *Python, HTML/CSS, AWS, Flask*
February 2023 – Present

- Developed and launched **datalegendai.com** a data collection and analytic service specializing in Amazon product
- Utilized AWS cloud to store records remotely and maintain an ec2 instance for the web server
- login/registration, o-authentication, stripe, search engine, historical data, scheduler, google ad-sense, web scrape

Air Flight Traveling Route Optimization (**GitHub**) | *c++*
July 2023 – August 2023

- Implemented algorithms such as Dijkstra's, A*, BFS algorithm, to optimized paths of randomized flights
- Created a GUI application using the SFML for route visualization and user interaction
- Utilized over 100,000 location objects to create a graph data structure for application

Minesweeper | *c++*
April 2023

- Created a Minesweeper game with a user-friendly graphical user interface (GUI) and intricate game logic
- Employed Object-Oriented Programming (OOP) principles to design and develop a modular and maintainable Minesweeper application

Derivative Investment Futures Dashboard | *Python, Jupiter Notebook*
November 2022

- Utilized theoretical concepts and formulas to create and help the end user to make better decisions and to help minimize hedge risk for their stocks against the volatility of the stock market using Futures contracts
- Applied a finance library as data source and used Pandas, numpy, matplotlib to transform the data frames into a prototype application
- Collaborated with 2 other team members and gave an informative presentation with 12-page report