

Shawn Pradeep

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EDUCATION

University of Georgia, Honors Program

Aug 2021 - Present

Majors: B.S. Computer Science, B.B.A. Economics

GPA: 3.48 / 4.00

Coursework: Software Development, Systems Programing, Discrete Mathematics, Calculus I & II

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML/CSS, JavaScript, C
- **Operating Systems:** Windows 11, macOS, Linux, Unix
- **Frameworks/Libraries:** JavaFX, pandas, NumPy, Bootstrap
- **Tools/Software:** Visual Studio Code, Maven, Emacs, Git/GitHub, Terminal, MobaXterm, Maven, Eclipse, PyCharm, Figma, Adobe Creative Suite

PROJECT EXPERIENCE

Stock Market Trading Bot

Sept 2022 - Present

Ongoing Personal Project

- Develop a trading bot that utilizes the simple moving average (SMA) model to indicate historical points of trade from their close prices, analyzing all 500 companies in the S&P 500 through Python statistical analysis and the yfinance library
- Incorporated pandas-datareader and data plotting to receive and calculate the 20, 50, and 100-day moving averages.

Wordle Solver

Sept 2022

Personal Project

- Wrote a Python program that would help a player in beating the popular game, Wordle, in fewer iterations
- Taught the program to learn from user input using RegEx and utilized pandas sorting algorithms.
- Learned to use Python with the top data manipulation library, pandas.

iTunes Gallery App

May 2022

Software Development Class

- Developed a GUI application using Java & JavaFX 11 that displays a gallery of images based on results of a search query to the iTunes Search API
- Applied concepts of inheritance, polymorphism, multithreading, and interfaces

Periodic Table

Jan 2022

Personal Project

- Developed an interactive web application that displays various properties of the 118 periodic elements
- Learned how to construct basic HTML layouts and styles in conjunction with a responsive UI built through Bootstrap

WORK EXPERIENCE

Undergraduate Teaching Assistant

Athens, GA

UGA Computer Science Department

Sept 2022 - Present

- Assist in lectures, recitation, office hours, and grading for over 400+ students across 4 sections of introductory Computer Science courses.
- Serve as a communication liaison between students and professors, saving tenured professors an average of 12 hours a week.

LEADERSHIP EXPERIENCE

Google Developer Student Club

Athens, GA

Vice President

August 2022 - Present

- Coordinate with approximately 70+ members to host events featuring Google developer technologies
- Organize various pre-professional and educational events over the academic year

UGAHacks

Athens, GA

Logistics Organizer

May 2022 - Present

- Facilitate the production of the University of Georgia's flagship hackathon, hosting over 800+ students
- Outline the cost analysis & materials required for multiple side-events/workshops
- Coordinate with multiple organizations across campus to increase engagement and exposure

HONORS & INVOLVEMENT

- Dean's List (2 semesters), Governors Honors Program (June 2019 - July 2019)
- Association for Computing Machinery at the University of Georgia, Google Developer Group, UNICEF at UGA, Rescue Paws USA @ UGA