

Grant Michael Alderson

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Education:

- The University of Tennessee, Knoxville, TN
- Bachelor of Science in Computer Science – Anticipated graduation May 2025
- Minor- CyberSecurity
- Current GPA 3.37/4.0

Relevant Coursework:

- Data Structures and Algorithms, Computer Organization, Software Engineering, Systems Programming, Introduction to Artificial intelligence, discrete structures, introduction to scientific computing, Operating Systems, Introduction to Cybersecurity, Cyber-Physical Systems Security, Introduction to Machine Learning, Applied Cryptography

Skills:

Programming Languages:

- Python, C/C++/C#, HTML, Java, JavaScript, Riscv Assembly, CSS, Haskell

Tools:

- Git, GitHub, Visual Studio Code, Jupiter, Unity, Unreal Engine, GDB

Libraries:

- Pandas, TensorFlow, Django, NumPy, Matplotlib

Projects:

- Title: Work Hard Play Hard
- Description: Designed and implemented a lifestyle website with game elements to entice the users to work on their goals, together with my classmates. The website was created using Django and the game was created using Godot.
- Features: The project included real-time chats between different users, fitness tracking, scheduling, account login and registration, and a game screen where you could spend points.
- Title: Web Scrapper
- Description: Designed and implemented a web scrapper for reddit, created to scrape stock subreddits to find correlation in number of mentions and likelihood of the stock increasing. The scrapper was designed using Python pandas' data frames and reddit's API, praw.

Job Experience:

- Repme Internship Summer 2022
 - Programming Internship.
 - Created web pages that included IQ and personality tests for inclusion in a user profile.
 - Worked on the randomization of questions.
 - Developed HTML, JavaScript and CSS for each page.
 - Reference- Rafael Darosci Henrique (865) 409-7547
- Phishing Research 2024
 - Research at the University of Tennessee on Phishing cyber-attacks.
 - Working under Dr. Kim.
- Create Appalachia Internship Summer 2024-Present
 - IT Internship
 - Involving setting up and fixing computers, downloading software, account management.