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Current Address:
Charlottesville, VA 22903

EDUCATION

University of Virginia, Charlottesville, VA
Bachelor of Science in Computer Science

Aug 2022 - May 2026

- GPA: 3.88/4.0 | Applied Mathematics Minor
- Relative Coursework: Computer Systems and Organizations, Data Structures and Algorithms, Software Development Essentials

SPECIALIZED SKILLS

Python, Java, C, Javascript (React, Node), HTML, CSS, Django REST, Git, Postman, Figma, Jira, Trello, Microsoft 365

WORK EXPERIENCE

Spotlist, Remote

Full Stack Software Developer Intern

Aug 2023 - Nov 2023

- Implemented front-end mobile user interfaces and functionality using React Native
- Created and maintained robust and scalable RESTful APIs using Django REST framework, ensuring efficient data communication between front-end and back-end systems
- Tested API end points and database interactions with Postman

AiPi Solutions, Reston, Virginia

Software Developer Intern

May 2023 - Aug 2023

- Led a team of 8 interns in training a Large Language Model to automate editing process of Non-Disclosure Agreements, reducing Attorney NDA review time by at least 60%
- Utilized Jira and Agile Development methodologies to streamline project workflows and team collaboration
- Developed Python code utilizing Openai API to train "DaVinci" language model on a data set of 250 attorney revised NDA's, yielding a model validation token accuracy of 0.95

RegEx LLM Research Project, Charlottesville, Virginia

Undergraduate Researcher, UVA CS Department

Aug 2023 - Present

- Integrated Large Language Models for accurately generating software and non-software specification with regular expressions
- Constructed an internal database of RegEx conversions for LLM training leveraging Hugging Face pipelines to automate natural language to RegEx conversions

PROJECTS

SimpliSplit, React Native | Python | Firebase

2023 VT Hacks Project

Sep 2023 - Sep 2023

- Cooperated in a team of 4 to build an app-store published mobile app to streamline bill splitting by allowing users to scan a receipt, match friends to receipt items, and send Venmo requests accordingly with one click
- Utilized tesseract for receipt scanning OCR, React Native for front-end mobile development, Venmo API for payment processing, and Firebase for user account database storage

Discord Bot, Python

Personal Project

Dec 2022 - Dec 2022

- Developed a multifaceted discord integrated robot using Python, Discord API, and Riot API
- Bot features include: autonomous running, pulling league of legends game data, sending customized emails, searching google given a query, welcoming new server users, telling random jokes, and relaying bot latency

2D - Platformer Game, Python

Programming Final Project

Nov 2022

- Developed a 2D RPG inspired shooter-platformer game using pygame and UVAGE (UVA game engine)
- Game features include: directional 2D shooting mechanic, scrolling character selection screen, player 'stats', upgrade system, random enemy spawn logic, and gold/lives counter

EXTRA CURRICULAR ACTIVITIES

Student Game Developers, Charlottesville, Virginia

Programmer

Spring 2024

- Spearheaded collaborative design and development of a 3D horror game, working with a team of 5 developers and artists through the complete game development lifecycle, from concept to product
- Implemented innovative game mechanics and integrated advanced graphics using Godot, C#, and GDscript