Jammel S. Yeboah

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Education

University of Virginia | Charlottesville, VA　　　　　　　　　　　　　　　Expected Graduation, Dec 2024
BS in Computer Science, BS in Statistics

Experience

Natera | San Carlos, CA　　　　　　　　　　　　　　　　　　　　　　　　*May – August 2022*
Software Engineer Intern
- Designed and developed a Learning Management System web app with Django to allow company employees to easily attain Continuing Education certificates in a self-paced manner by completing course modules and passing assessments
- Proposed and developed a Python-based automatic certificate generation system for instructors to certify all employees who chose to attend live lectures, cutting the usual certification time by more than 50%

AbbVie | Worcester, MA　　　　　　　　　　　　　　　　　　　　　　　　*March – May 2021*
Project Engineer Intern
- Collaborated with a team of three engineers to draft updated safety procedures and protocol, as per OSHA Y14.5, reducing workplace injury by 200% in Q3 and Q4 of 2021
- Examined and compared AbbVie's laboratory process of chemical storage and rust prevention with external resources, isolated potential flaws, and suggested improvements to senior employees
- Participated in agile ceremonies including daily stand-ups and one-on-one meetings

Worcester Public Schools | Worcester, MA　　　　　　　　　　　　　　　*May – August 2020*
Web Developer Intern
- Designed wireframes and mockups for both mobile devices and web browsers by using Figma
- Developed and adapted the wireframes into a responsive remote learning website for the county schools by using React.js
- Created and implemented a plan with district authorities to improve digital learning and technology availability for students, resulting in the distribution of ~6000 laptops to students to aid remote learning
- Created and published educational technology tutorial videos on the Worcester Public Schools YouTube channel

Projects

Cloud Service Pricing Analyzer | URL: http://www.cloudpricinganalyzer.com/　　　*April – July 2022*
- Developed and published a Flask web app that finds the best cloud service from several providers based on user criteria
- Used Python optimization techniques to efficiently search thousands of results from the GCP, Azure and AWS Pricing APIs
- Used SQLite to incorporate full CRUD functionality which involves the creation, viewing, and deletion of past reports
- Achieved an average of fifty daily users in first month of service

NFT Minting in Augmented Reality　　　　　　　　　　　　　　　　　　*April – August 2022*
- Engineered the complete development of an Android and Windows compatible Web3 app with Solidity, C#, and Unity
- Used Solidity to interact with the Polygon network to allow for user authentication, smart contract and NFT creation
- Allowed for seamless loot box placement and opening, NFT collection, minting, and saving in user's decentralized wallet

Voice AI Controlled Live News App | URL: https://jammel-yeboah.github.io/voice_ai_news_app/　　*June – August 2022*
- Independently built a React.js web app that uses voice AI technology by Alan AI to provide real-time news, weather, calculations, and small talk capabilities based on verbal user input
- Learned how to provision infrastructure through infrastructure as code and manage configuration using Terraform
- Test-driven development of all back-end endpoints using QUnit testing

Skills

Programming Languages: Python, C/C++, JavaScript, HTML/CSS/SCSS, SVG, SQL (MySQL, SQLite), Bash
Tools and Technologies: Git, GitHub, AWS, Docker, NodeJS, React.js, Django, Flask, Terraform, Linux (Ubuntu, Debian)

Additional Information

Certifications: CompTIA A+, Google Level 1 Educator, MS Excel Expert, MS Word Expert, MS Access Expert, OSHA 10
Interests: Soccer, Basketball, Gardening, Greek and Roman Mythology