Ifeanyi Ibeanusi

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PROFILE

Dedicated to using software engineering skills to serve risk requests and catch vulnerabilities pertaining to people, processes and systems.

EDUCATION

Bachelor of Science in Computer Engineering (CPE) | Minor in Computer Science (CS) and Cybersecurity, B.Sc., Villanova University — June 2023, Villanova, United States

Pursuing a Masters in Cybersecurity
Relevant Coursework: Computer Vision (AI), Ethical Hacking, Cloud Security, Overview of Cybersecurity, Analysis of Algorithms and Data Structures, Principles of Database Systems

SKILLS

Programming
OpenCV for Machine Learning, ShellScript, Python, Java, C++, C, Arduino code, Particle.io

Frontend
Typescript, React Native, JavaScript, HTML/CSS, UI Design

Backend
Kotlin, SQL, postgreSQL, NoSQL, AWS cloud Certificate

Tools
JIRA Framework, Kraken, Spring, Docker, IntelliJ, Labtainer, ARM Processor, Quartus, ModelSim, Visual Studio Code IDE, Linux, CMD, MATLAB

Cybersecurity
Burp, SQLi, Nmap, JtR, hashcat, CTF, WPscan, Ethical Hacking, Networking penetration testing

PROFESSIONAL EXPERIENCE

Computer Science Tutor, Villanova University — June 2022 – present, Villanova, United States

- Tutor of Villanova Students in courses including **Analysis of Algorithms, Database Systems and Data Structures** - Languages: Python, Java, C++, SQL

Tech Assistant, Villanova University — September 2020 – present, Villanova, USA

- Assisting students and faculty with technical problems and provided IT support
- Promoted from handling software issues through tickets to a position in the Villanova law school for hardware, media technology

Software Engineering Intern, SoFi — June 2022 – August 2022, Seattle, United States

- Developed a **UI** with **Kotlin, Typescript, and PostgreSQL** that monitors **51 rules** for the **Fraud and Risk team** and assigned priorities to said rules, reducing developer's time serving risk requests
- Reduced Error rate of **Checking and Savings** API calls by 66%, leading to **66% reduction** of on call employees getting **paged**

Software Engineering lead, INNOVATE – Sponsored by L3Harris Technologies — April 2021 – July 2021, Villanova, USA

- Innovated a wireless forest fire prediction device designed to monitor humidity levels in remote forests to prevent forest fires using a **Boron Microcontroller** with a team of 4 people and a stipend of $3500,
- Improved algorithm **accuracy to 6%** by implementing a safe C coded, Particle.io algorithm. Led to a **50% increase** in reliable readings during testing
- Implemented AWS lambda, API Gateway, and AWS Dynamo DB to increase the security of data retrieval by 100%

ACADEMIC PROJECTS

SILVANUS project: C++, Particle.io, Blender (CAD), Invented device that predicts the potential of forest fires to an error of 6%
https://github.com/obscure-star/Silvanus/blob/main/particleCode

CSC-3010: Cybersecurity Thesis on mobile app MASVS and MSTG requirements

LEADERSHIP/CERTIFICATES

Senator of Class of 2023, Student Government Association, Villanova — September 2022 – present

Edward Collymore Honor Society, — August 2022 – present
Recognized with Honors to embody outstanding Character, Leadership, Academics, Scholarship, and Service

CodePath — June 2022 – present
In recognition of outstanding performance during the successful completion of the CodePath.org:
Advanced Software Engineering Course
Ongoing: Intermediate CyberSecurity Course

Resident Assistant, Honored to manage 86 Residents and encourage the growth of Villanova Residence life through volunteering and facilitating community builders — September 2020 – present

Vice President, Villanova art Club — August 2022 – present

Villanova Leadership Program, Certificate of recognition as a Villanova Leader having learned from and networked with 6 prominent Villanova alumni and faculty members — September 2021 – January 2022