Byron Stearns

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Education

Virginia Commonwealth University   Richmond, VA
B.S in Computer Science | Concentration in Cyber Security   Aug. 2017 - May 2021

Experience

AMC Technology | Software Engineering Intern   Richmond, VA
Angular, Salesforce, Dynamics 365, Oracle Engagement Cloud   July 2019 - Nov. 2019

- Experimented with developing an integration for AMC's DaVinci IPaaS into Oracle Engagement Cloud CRM to serve in CRM screen pop and call handling features
- Worked with mentors to complete assigned user stories for the DaVinci integrations on Salesforce and Microsoft Dynamics 365 to further increase feature sets
- Engaged in gaining real-world experience by being a part of the whole software development lifecycle in an agile / scrum environment

Skills

Languages: Java, JavaScript/TypeScript, Python, C/C++, C#, Go, Swift
Technologies: Git, MongoDB, PostgreSQL, NGINX, Proxmox, Docker, REST, WebRTC, Angular, Node.js, .NET Core, GraphQL, Amateur Radio

Projects

ScreenHive | Angular, GraphQL, Node, Kubernetes, PostgreSQL, WebRTC, Go |

- Leading the ongoing development of a scalable room based web application that presents a service for up to 20 users to watch movies, videos and browse the internet synchronized in real time using virtual browser technology served using the webRTC standards and protocols

Network Visualization and Attack Detections | Angular, Flask, Scikit-Learn, PostgreSQL |

- Led a four-person team in the development of a web based software that allows cyber analysts to upload and dissect packet capture files to detect anomalies, zero day attacks, and intrusions
- Worked to train a machine learning model on statistical network flow data that attained a prediction accuracy of 91%
- Developed in collaboration with Captial One

VCU COVID-19 Information Dashboard | Angular, Node, MongoDB, Docker | projects.quinn50.dev/vcucovid

- Launched a website to provide a more visual look of VCU's known COVID-19 statistics over time
- Aggregates data from VCU's official COVID-19 information dashboard with web scraping and stores it in a MongoDB collection

Portfolio | Angular, Docker, Spring Boot, Github, MySQL | portfolio.quinn50.dev

- Launched a digital portfolio that updates relevant sections in real-time based on subscribed *GitHub* repository updates
- Provides a up to date platform that is easy to digest for recruiters and hiring teams to learn about my skills and experience

Among Media | Angular, Tensorflow | projects.quinn50.dev/among-media

- Developed a front-end machine learning website that allows users to provide images for detection of characters from the hit video game *Among Us* with accuracy up to 88%
- Drafted a object detection model using Tensorflow that attained a training accuracy of 88%

Certifications and Licenses

General Amateur Radio License | Callsign: N4BQS   Oct. 2015 - Oct. 2025