

Grant P. Holzemer

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Education

West Virginia University | Morgantown, WV | May 2023
Bachelor of Science: Computer Science | GPA: 3.8 / 4.0
Concentration: *Software Engineering*
President's List: Fall 2021, Spring 2020

Relevant Coursework: Algorithms, File and Data Structures, Advanced Software Engineering, Web Application Design, Computer System Concepts, Computer Communications, Intro to Computer Architecture, AI/ML

Languages & Skills

Agile, Angular, Ansible, AWS, Azure, C++, Electron, Git, Java, PHP, Python, REST APIs, SQL, TypeScript
Secret Clearance - Active - DoD

Experience

WVU Athletics | August 2022 - Present

Software Developer Intern

- Agile methodologies allow our team to develop a IOS native app for the WVU athletic department which allows them to track football players rehabilitation process post-injury
- Implemented the REST-API in PHP: Session-Tokens/Authentication/JWT, OOP, HTTP methods, DB maintenance
- Reiterated the database architecture to support many-to-many table relationships and support session management
- Applied horizontal scalable properties to the Web-API to support more than 300 concurrent users
- Hosting biweekly meetings with the customer to inform/allow-for-feedback of our progress
- Architected the components of the application utilizing React Native, RESTful APIs, Microsoft SQL on Azure servers

Raytheon Intelligence & Space | May 2022 - August 2022

Software Engineer Intern

- Engineered a cross-platform application (Electron) for tracking more than 3000 active/ decayed commercial satellites
- Implemented with Python, Electron, Angular, MySQL, REST-APIs, hosted on AWS's GovCloud for supporting more than 10 concurrent active users
- Implemented another interns Matlab scripts (via powershell) so that constellations of satellites, and/or selected objects (debris) could be sent into a internal simulating application from the front-end UI for modeling satellite communications
- Iterated the application to interact with local versions of the internal simulator, the original application was intended to be a website but later was wrapped in electron which allows tunneling to local user applications via NodeJS
- Added server-side STK processing to keep the satellite models in the MSA shared drive updated automatically
- Helped construct/implement a change detection model to detect unusual movements in a satellites orbit (Matlab)
- Allowed the MSA team to receive more funding to support the application by presenting high-level overviews to seniors
- Presented slide decks which proposed the application architecture and the technology needed during weekly meetings

Locked Shields NATO Exercise | October 2021 - April 2022

Linux & Windows Security Analyst and Incident Response

- Monitored up to 5 Linux servers and 3 Windows servers for active perpetrators (SMTP Server, Web-Apps, WAP)
- Servers hardened using Ansible and monitored using CrowdStrike

Interstate Van Lines | December 2021 - January 2022

Administrative Assistant Intern

- Archiving and cataloging of email databases.

Personal Projects

Graphical Resume Application | August 2021 - January 2022 | github.com/gholzemer/GraphicalResumeBuilder

- Created a component based graphical resume builder designed in Angular, Typescript, HTML, Bootstrap & Firebase
- Agile methodologies allowed us to create a full-stack application, tested with selenium, proposed to WVU Careers

AI Relationship Advisor | December 2022 - January 2023

- Fine tuned an OpenAI Davinci model to give relationship advice. Trained on large data. Hosted on AWS EC2.

Personal Website | github.com/gholzemer/coffee | Angular, Bootstrap, Firebase

Acupuncture Business Website | March 2022 - Present | Angular, Bootstrap, Firebase

Basic 2D Pong Game | August 2019 - October 2019 | Java

Military Experience

Basic Combat Training | January 2021 - March 2021
Advanced Individual Training | March 2021 - June 2021
E4 - Specialist - 91D - 601st Engineer Support

Awards & Accomplishments

Research Scholarship
CyberWVU - Executive Coordinator
Certificate of Recognition by Governor Jim Justice

Available June 2023 | US Citizen | linkedin.com/in/GrantHolzemer/