Joseph Tan

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Clearance: Interim Secret

Cybersecurity-focused full stack developer pursuing full time opportunities starting summer 2020.

Education:
George Mason University, Computer Science B.S.
GPA: 3.88
Graduating Fall 2020.
Honors College, Dean's List

Languages:
1. Python
2. Java
3. C
4. Typescript/ JavaScript
5. x86/64

Technologies and Frameworks:
Angular, PostgreSQL, SPARQL, Agile/DevOps/DevSecOps methodologies, Git, Linux/Unix, Blockchain

Certifications: Security+, Network+, AWS Certified Solutions Architect (in progress)

Work Experience

Northrop Grumman – Software Engineering Intern
- Full stack developer on a SAFe Agile/DevOps team designing an enterprise application to streamline information transfer between engineers
- Implemented a feedback system using Angular/Typescript, Java, and CRUD/RESTful services to enable ratings capture of hundreds of applications
- Designed/implemented a Python application interfacing with a SPARQL database to process ontology data and create Excel dataset reports saving hundreds of employee hours
- Utilized Java and Junit to unit test project code, provide code coverage, and patch software issues

Kyrus Tech – R & D Intern
- Created an internal tool (Python) that can provide a global DNS lookup from any location in the world and provided auxiliary support to a major project that saved hours of manual lookup
- Integrated a PostgreSQL database with a RESTful API that supported a front-end framework.
- Setup and conducted research and network analysis with Wireshark on Ethereum block chain/smart contract technologies and block chain vulnerabilities. Delivered a technical paper on network signatures.
- Provided testing support on project code via Python unit tests.

CS Monroe Technology Center – Student Intern
- Integrated Virtual Reality technologies into educational applications via block programming.

Clubs & Activities

Amazon AWS Hackathon – 2nd Place
- Designed and built a JavaScript AWS lambda skill that provided information on GMU Parking via Alexa.

Mason Competitive Cyber – Core Member
- CTF competitor and challenge writer with knowledge in major cyber categories (Forensics, Cryptography, Reverse Engineering, Web Exploitation, SQL Injection)
- 1st Place – Virginia Tech Summit, 3rd Place – Capital One War game, 6th Place – UVA metaCTF, MACCDC blue team member

Cyber Patriot Competitor – Team Leader (blue team)
- Directed and trained a team of 5 students for four months learning Windows/Linux OS Hardening and networking.
- Placed top 13% in the 1700-team National competition.

H.A.Q.U.E. – Project Director
- Utilized Python, bash, IR, CAD, and software/hardware engineering to create a hands-free, voice controlled universal remote
- Acted as PM and scrum master for a team of 4 engineers
- 1st Place – Best Technical Design (out of 40)