Ben Winans

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LinkedIn

Education:

Bachelor of Science in Computer Engineering   **May 2023**
- University of Florida, Gainesville, FL

Objective:

To continue expanding my skillset with an emphasis on communication and problem solving.

Projects:

Reed Laboratory Full-stack Developer Senior Project (Github: [https://github.com/winansb/DUA])
- *Gained 800+ hours of full-stack experience across Figma, JavaScript, Git, shell scripting and Visual Studio Code.*
- *Lead the development of a web application for a research laboratory, liaising with non-technical stakeholders to define project requirements.*
- *Employed a SERN stack (SQL, Express, React, Node.js) with Axios for middleware and Sequelize as an ORM.*
- *Designed an intuitive UX with interactive maps and multimedia content using leaflet, WebSocket, Web Serial.*

Malware Analysis and Documentation (Linux / Windows)
- *Gained 80+ hours of experience across malware analysis, Linux, Windows, CLI, and cyber security topics.*
- *Executed static and dynamic analyses on several modern threats, including a worm, a phishing docx scheme, and malware exploiting the "Heaven's Gate" technique.*

Operating Systems – Reptilian Linux Distro (C/C++)
- *Gained 100+ hours of experience across C, C++, VirtualBox, shell scripting, CS topics, Linux, CLI, and UNIX.*
- *Developed a dynamic memory manager for real-time program memory oversight.*
- *Established VM-based servers to handle client requests and crafted multi-threaded applications.*

Building a Java Based Programming Language
- *Gained 60+ hours of experience in Java, OOP, Unit Testing, Git, Gradle, Syntax Trees and Language Processing.*
- *Co-developed a programming language using Java during a summer course.*
- *Constructed integral components like parser, lexer, and scope. Ensured correctness via Junit testing.*

Employment: (References and other employment available upon request)

Engineering Department of Graduate Education (EDGE) – Broadcaster   **August 2021-May 2023**
- Assisted 20+ professors in recording 250+ classes, resolved technological issues while assuring client satisfaction.

Vici Dial – Computer Engineering Intern   **June-August 2019**
- Gained 300+ hours of experience in Linux Network management using PXE, raid, firewalld, and CLI.
- Deployed 4U Linux servers, executed PXE boot, performed diagnostics, and enhanced cybersecurity with firewalld.

Mitre – Cyber Security Intern   **May-August 2018**
- Gained 350+ hours of experience under a skilled Red Team learning Cyber Security topics and Penetration Testing.
- Updated Cyber Security to OWASP standards, developed web interface for APK scanning, Dockerized project, and saved 40-80 man-hours/month.
- Presented the project to key stakeholders and company upper management.

Skills:

- **Languages**: JavaScript, Python (Django), SQL, Java, C++, C
- **Web Technologies**: React, Redux, Axios, Express, Rest API, HTML/CSS, Bootstrap, Sequelize, Leaflet
- **Tools & others**: Git, CLI, Docker, Systems Integration, UX design, Unit Testing, VM (VirtualBox)
- **Cybersecurity**: Static & Dynamic Analysis, Penetration Testing
- **Operating Systems:** UNIX, Linux, Windows