

Galen Ferrara

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Summary:

IT professional and hobbyist tinkerer with a background in software development and network management. Proven track record of modernizing applications. Experience with a variety of programming languages. Adept with collaboration and high pressure environments. Interested in usability of devices and applications.

Skills:

LANGUAGES - Java, Kotlin, TypeScript, Node.js, C, Python, HTML, SQL, PHP, ARM Assembly, XML

SOFTWARE - Microsoft Azure, Adobe Suite, Excel, Powerpoint, Git, Selenium, Linux, Java Build systems (Maven/Gradle)

HARDWARE - Robotics, Networking, Raspberry Pi, VHDL, PC Build Technician

Work Experience:

Granite Associates Inc., Liberty, NY, USA – *IT Intern* - 2023 - 2024

As the sole IT intern at a New York-based multi-billion dollar investment firm for 2 summers, I was instrumental in modernizing existing applications and launching new, production-ready programs with little oversight.

- Developed a web based media organization system using Python, and JavaScript, and an Agile development strategy, tested in production with over 1.5 tb of photos replacing the standard windows file explorer.
- Redesigned web based employee review system allowing for more employee - supervisor feedback, using JavaScript and hosting on Azure webapps.
- Managed large-scale networks at external venues, hands-on experience with hardware and networking devices, high risk environments with a 100% success rate, resulting in flawless functioning of client networks.
- Set up and maintained large-scale security systems including cameras, motion sensors, and security gates.
- Built a custom web based TV remote using Samsung MagicInfo's API and Javascript.

Bethel Woods Center for the Arts, Bethel, NY – *Various Roles* - 2020 - 2022

Historic 20,000-person amphitheater and cultural center, I took on many roles over my 2 years at the company starting from parking attendant up to operations and management support, eventually being recruited to the parent company, Granite Associates. I thrived under high-pressure conditions and strict "no fail" deadlines, I honed my teamwork and customer engagement skills.

Education:

University of Nottingham, United Kingdom / Malaysia

B.Sc. (Honours) in Computer Science, 2022 - 2025 | 1:1 Expected

- **Key Coursework:**
 - Web Development: HTML, CSS, JavaScript, SQL, MySQL, PHP
 - Software Engineering: Design Process, API use and documentation
 - Machine Learning: Python pandas
 - Networking & Cloud Computing: Azure, Docker
 - Mobile Development: Kotlin, Java, Android, Linux Development
 - Product Management: Automated Testing, DevOps, JUnit and Atlassian products
- **Key Projects:**
 - Developed IoT petfeeder robot with web based interactive controls and live feed using Azure Web Apps. [Grade: 1:1]
 - Dissertation: Designed, from scratch, a custom minimalist Android launcher with applications, while efficiently interacting with hardware. [Ongoing]
- **International Experience:** Enhanced soft skills in a diverse, global environment.

SUNY Empire State University, Saratoga Springs NY – 2016 - 2021

Associates of Science in Science, Mathematics, and Technology - 3.65 GPA (2:1)