Galen Ferrara

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Summary:

Computer science graduate from the University of Nottingham with proficiency using various languages. 6 years programming experience and 2 years internship experience. Eager to join creative teams doing meaningful work.

Skills:

LANGUAGES (Proficient) - Java, Kotlin, JavaScript, HTML / CSS, SQL, Python

LANGUAGES (Familiar) - C, C#, PHP, TypeScript

SOFTWARE - Azure, React, Node.js, Docker, Figma, InDesign, Linux

SKILLS - CI/CD pipelines, Testing (JUnit, Selenium, Mockito), Agile / Scrum, RESTful API

Work Experience:

IT Intern - Granite Associates Inc. - Liberty, NY, USA - 06/2023 - 10/2024

Sole IT intern at a New York-based multi-billion dollar investment firm for 2 years, earned experience in IT and software development.

- Created a media organization system in Python & JavaScript, resulting in $2,000/year in savings.
- Redesigned employee review system leading to greatly increased user satisfaction, using JavaScript and hosted on Azure webapps.
- Managed 500+ terminal networks at external venues with a 99.99% uptime, experience with hardware and networking devices.
- Set up and maintained large-scale security systems including cameras, motion sensors, and network.
- Developed custom TV remote using Samsung MagicInfo API, prevented the need for a stationary terminal, expanded features and reduced startup time by roughly 90%.

Operations Assistant - Bethel Woods Center for the Arts - Bethel, NY - 01/2020 - 09/2022

- Led team of up to 8 in high-pressure, no-fail, deadlines.
- Customer facing, and back-of-house coordination for events hosting 20,000+ attendees.
- Promoted from parking management, to operations and management, to the parent company.

Education:

Bachelor's - Computer Science - University of Nottingham - 2022 - 2025 - First Class *Expected*

- Routinely led agile planning for 5-10 member groups, consistently achieving first class marks.
- Curriculum focused on algorithm efficiency and data structures.
- **Key Project:** Developed an IoT pet feeder robot using Azure-hosted web controls, earning a first class mark.
- **Dissertation:** Engineered digital self control launcher application, reducing habitual smartphone use by 22% and earning a first class mark (*expected)*.
- **Year Abroad:** Spent one year in Malaysia, enhancing my interpersonal and communication skills.

Associate's - Mathematics - SUNY Empire State University - 2016 - 2021 | 3.65 GPA (2:1)

Dean's List

First university experience at 13 years old, developed foundational problem solving and analytical skills through courses such as Statistics, Quantitative Reasoning, Algebra, and Networks. Demonstrated consistent academic improvement, achieving Dean's List recognition through excellence in advanced mathematics and biology.