Galen Ferrara

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Summary:

Graduate software engineer with 2+ years building and deploying full stack applications in production environments. Skilled in Java, Kotlin, JavaScript, React, Node.js. Passionate about crafting intuitive, user-friendly interfaces to drive meaningful outcomes. Hoping to learn more frameworks and languages, and to work with innovative, fast-paced teams.

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

Experience:

Granite Associates Inc., Liberty, NY, USA – *IT Intern* - 2 Years
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 as roughly 90%.

Bethel Woods Center for the Arts, Bethel, NY – *Various Roles*- 3 Years
- 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:

University of Nottingham, United Kingdom / Malaysia
B.Sc. (Honours) in Computer Science, 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.

SUNY Empire State University, Saratoga Springs NY
Associates of Science in Science, Mathematics, and Technology, 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 (A-), Quantitative Reasoning (A), Algebra (A), and Networks (B+). Demonstrated consistent academic improvement, achieving Dean's List recognition through excellence in advanced mathematics and biology.