Galen Ferrara

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Summary:

First-Class Computer science graduate with 6 years programming experience using Java, JavaScript, Python, and more. Experienced in end-to-end full-stack development, IT, and advanced UI/UX design.

Skills:

LANGUAGES (Proficient) - Java, Kotlin, C++, JavaScript, HTML, CSS, SQL, Python
LANGUAGES (Familiar) - C, C#, PHP, TypeScript
SOFTWARE - Azure, React.js, Express.js, Node.js, Selenium, JUnit, Docker, Figma, InDesign, Linux
SKILLS - CI/CD pipelines, Agile, Public Speaking, Technical Writing

Education:

Bachelor's | Computer Science | University of Nottingham | 09/2022 – 07/2025 | First Class

- Led agile planning for 5-10 member groups, consistently achieving first class marks.
- Focused on algorithm efficiency and data structures, along with UI / UX Design.
- Year Abroad: Completed one year in Malaysia, enhancing my interpersonal and communication skills.

Associate's | Mathematics | SUNY Empire State University | 01/2016 – 05/2021 | 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.

Work Experience:

IT Intern | Granite Associates Inc. | Liberty, NY, USA | 06/2023 – 10/2024
- New York-based multi-billion-dollar investment firm for 2 years: 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.
- Developed custom TV remote using Restful 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, USA | 01/2020 – 09/2022
- Led team of up to 8 in high-pressure, no-fail, deadlines.
- Managed both customer facing, and back-of-house coordination for events hosting 20,000+ attendees, promoted twice.

Projects:

Lavender Launcher | github.com/galen-f/Lavender-Launcher | 2024 - Present
Founded open source Android Launcher application using Kotlin and Jetpack. Focus on UI/UX principles to discourage habitual smartphone use. User testing reduced habitual screen time by over 20%. **Skills**: NoSQL, Mobile Development, Kotlin, Automated Testing

Pinecone: Photo Organization | github.com/galen-f/pinecone | 2023 - 2024
Created desktop photo organization system to replace standard file searcher designed to be more easily searchable with thumbnails and quick search functions. **Skills:** Express.js, Node.js, Electron.js, SQLite

Stock Trading Simulator | https://github.com/galen-f/trading-simulator | 2025 - Present
Developed a C++ multithreaded stock-trading simulator with a price-time priority order book and algorithmic traders to model market microstructure. **Skills:** C++17, Multithreading, Factory and Strategy design patterns, Quantitative Simulation