Serena Pascual

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Experience

Dell EMC, Software Engineer I
July 2019–July 2020, Santa Clara, CA

- Developed and maintained C code base for Data Domain backup appliances on RAID team
- Performed bug fixes in Storage Management System utilities on propriety Unix-based operating system
- Wrote low-level unit tests and implemented code coverage tracking routine to improve ease of detecting regression

Proofpoint, Software Engineering Intern
June 2018–August 2018, Sunnyvale, CA

- Wrote and deployed CLI application for real-time data anomaly detection to improve incident response time
- Developed micro-service on Java platform to configure and transmit specified internal events between data centers

Projects

mechmarket
- Currently building mobile app in Swift to improve user experience of trade amongst mechanical keyboard enthusiasts
- Implemented OAuth authentication, iOS Keychain storage, and queries to Reddit API

ice-cream-social
- Designed and coded static website for an emerging non-profit
- Created assets using SVG and Adobe Illustrator, After Effects

Dunder Mifflin Online Warehouse
- Built full-stack retail web application in team of five using Angular, Flask, and MySQL
- Contributed to system design, database schemas, front-end UX, backend functionality, Google Maps component

Interactive Ray Tracing Renderer
- Developed C++ 3D renderer using openFrameworks toolkit
- Implemented anti-aliasing algorithm, planar projection texture mapping, and configurable lighting and geometries

Education

San José State University
BS Computer Science, Music Minor
Graduated May 2019

Coursework
Algorithm Design and Analysis,
Mobile Device Development,
Computer Graphics Algorithms,
Music Information Retrieval,
Electro-Acoustics,
Sound Recording

Skills

Programming
Java, Python, C++, JavaScript, C, HTML, CSS

Tools and Frameworks
React, three.js, openFrameworks, Git, Perforce, Bash, Jira

Multimedia
Adobe Creative Cloud, Logic Pro, Blender, Figma

Links

github.com/serenapascual
linkedin.com/in/serenapascual