

Serena Pascual

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Objective

Software engineer with 3 years of experience in visual search and image processing domains, seeking full-time opportunities following completion of MS degree in December 2026.

Experience

Dolby Laboratories, Software Engineering Intern
May 2026–Aug. 2026, Sunnyvale, CA

- Built logistic regression model for automation of 10-hour weekly picture quality verification process by classifying display image similarity
- Created custom dataset from 1K self-collected and annotated images for processing with Canny edge detection, Hough and morphological transforms

Google, Software Engineer
Mar. 2021–Mar. 2024, Mountain View, CA

- Wrote internal Java library using Android SDK for inter-process and cross-product Lens image query service
- Profiled system health impact and reduced feature memory consumption by 15% for launch approval
- Trained, evaluated multi-headed MobileNet image classifier for deployment on Android with TFLite

Dell EMC, Software Engineer
Jul. 2019–Jul. 2020, Santa Clara, CA

- Triaged and fixed customer-reported bugs on proprietary UNIX-based CLI
- Wrote low-level unit tests and implemented code coverage tracking routine for regression detection

Projects

LuminAI [link to homepage]
Aug. 2025–Dec. 2025, Remote

- Developed motion visualization feature for Unity project currently exhibiting at Hartsfield-Jackson Atlanta Intl. Airport

Education

Georgia Institute of Technology

Aug. 2024–Dec. 2026 (Expected)

MS in Computer Science
Computer Graphics track

San José State University

Aug. 2015–May 2019, San Jose, CA

BS in Computer Science
Music minor

Skills

Programming

Java, Python, C++, C

Tools and Frameworks

Bash, Git, Perforce, TensorFlow, PyTorch, OpenCV, GitHub Copilot

Links

GitHub serenapascual

LinkedIn in/serenapascual