

# Sean McCormick

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## EDUCATION

### California Polytechnic State University, San Luis Obispo

San Luis Obispo, CA

*Bachelor of Science in Computer Science*

*Expected Jun. 2027*

– Relevant Coursework: Design and Analysis of Algorithms, Database Systems

### De Anza / Foothill College

Cupertino, CA

*Associate of Science in Computer Science for Transfer (AS-T); GPA: 3.97*

*Sep. 2023 – Jun. 2025*

– Relevant Coursework: Data Structures & Algorithms, Advanced Java Programming

## PROJECTS

### InternTrackr | TS, React, Node, MongoDB/Postgres, Redis, Spring Boot, AWS Lambda, Terraform

2025

- Built a full-stack internship tracker with JWT auth, search, and **real-time collaboration** via WebSockets
- Designed a **Java Spring Boot** scoring microservice; integrated with the Node API via REST; covered by JUnit tests
- Shipped **serverless deadline alerts** using AWS Lambda + EventBridge (+ SES), provisioned with Terraform
- Set up CI/CD with GitHub Actions; **one-command local dev** via Docker Compose; supports MongoDB *and* Postgres (Prisma)

### Seralaboratories.com (HeadshotAI) | Next.js (TS), FastAPI, DreamBooth/SD, PostgreSQL, Stripe, EC2

2024

- Launched a production web app that generates professional AI headshots from user photos + preferences
- Built a multi-step upload + preferences flow with real-time client validation (Zod) and Auth.js session handling
- Integrated **Stripe payments** for credit-based generations; gated access until server-verified checkout succeeds
- Implemented a Python **FastAPI microservice** with a Celery task queue to offload long-running jobs
- Implemented **DreamBooth fine-tuning + Stable Diffusion inference** with dynamic prompts
- Containerized and deployed backend on **AWS EC2 with Docker** including task orchestration, webhook callbacks, and cleanup routines

### Selected Additional Projects

- **Looter Trading Journal** — Trade tracking app with AI-powered coaching Live | GitHub
- **HomebaseProps.com** — SaaS for property owners to track/manage properties | GitHub
- **Job Finder App** — Remote job board with filters, bookmarks, and persistent storage | GitHub
- **Card Management App** — JavaFX desktop app for managing cards and transactions | GitHub

## EXPERIENCE

### College Mentor

Jun. 2024 - July 2025

*Silicon Valley Education Foundation (SVEF)*

*Mountain View, CA*

- Delivered 20+ lessons across three classes (75+ students) on math/CS enrichment; mentored on college pathways
- Awarded **2024 College Mentor of the Year** (selected among 140 mentors across 70 districts)

## LEADERSHIP & SERVICE

**Working Partnerships USA** — Campaign/program support for equitable jobs and communities

Ongoing

**St. Justin Community Ministry** — Food pantry operations; list management and client support

Ongoing

**YMCA Camp Campbell** — Cabin leader for 12 students; behavior & emotional management training

Completed

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, JavaScript, TypeScript, SQL, HTML/CSS, Assembly, Bash

**Backend:** Node.js, Express.js, Spring Boot, AuthJS, REST APIs

**Frontend:** React, Next.js, React Native, Zustand, Zod, JavaFX

**Databases:** PostgreSQL, MongoDB, Redis, Prisma

**Cloud/DevOps:** AWS (EC2, S3, Lambda), Docker, Docker Compose, Terraform, GitHub Actions, CI/CD

**Testing:** JUnit, Jest, Playwright

**Tools:** Git, Linux, IntelliJ, VS Code, Visual Studio