San Jose, CA | **Mauricio Curiel** | (707)641-6129

MauricioM.Curiel@gmail.com | luceium.com | linkedin.com/in/luceium/

EDUCATION

San Jose State University, San Jose, CA   May 2025
Bachelor of Science (B.S.) - Software Engineering   3.7 GPA
Relevant Coursework: Data Structures and Algorithms, Computer Organization and Architecture
Extracurriculars: Software and Computer Engineering Society ~ Chair of Developer Team

EXPERIENCE

Google   May 2023 - Aug 2023
STEP Intern, Washington DC
- Identified a bug in production, found the source by bisecting releases and solved the bug
- Developed tailored *clustering algorithm* implementation improving data navigation
- Leveraged *prompt engineering* to switch from a 24B to 1B parameter model preserving performance and created util file abstracting data representation and token reduction
- Wrote design doc and implemented UX team mockup using *Angular* and *Material UI*

EdLyft   Aug 2022 – Dec 2022, Aug 2023 - Present
Mentor, Remote
- Host sessions covering *data structures* and *algorithms* for 2-8 students once a week
- Developed resume project and curriculum with multiple levels of support teaching students about *Web Dev*, *APIs*, and creating dynamic pages with *Javascript*

Google   May 2022 - Aug 2022
Software Product Sprint Participant, Remote
- Completed 3-week sprint with 3 teammates using GitHub to conduct *code reviews*
- Designed architecture to associate user data to user accounts in *Cloud Datastore*
- Developed backend Java servlets with sanitization and client error response messages
- Implemented and used system logs to identify bugs on a test server before pushing code
  Project: TripBud - "Your budget trip planning buddy"
  - Developed an account system allowing trips to be shared and edited with friends
  - Calculates user's expected contributions on server side and returns it to user profile

Google   June 2021 - Aug 2021
Computer Science Summer Institute Participant, Remote
- Completed an introductory project-based *JavaScript* and *P5.js* programming curriculum
  Project: Scanslate - "Scan now learn later"
  - Collaborated with a team of 3 to develop a web app capable of detecting objects with *ML5.js* and translating them in real-time with *Google Translate API*
  - Creates flashcards from images and uses an algorithm to help you learn via our quiz

SKILLS

Languages: Java, Typescript, HTML/CSS/JS, Python, Kotlin, React, Angular, React Native, Next
Technologies: Junit, Servlets, Databases, Translate API, Bootstrap, LLMs, regex, APIs
Tools: GitHub, Figma, Kanban Boards, Android Studio