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

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EDUCATION

San Jose State University, San Jose, CA   May 2025
Bachelor of Engineering (B.E.) - Computer Engineering   3.8 GPA
Relevant Course Work: Computer Organization & Architecture, Introduction to Data Structures

EXPERIENCE

EdLyft   Aug 2022 – Present
Mentor, Remote
- Meet with 2 students twice a week reviewing data structures, supplementing, and furthering their learning by employing *constructivism* and offering bonus learning
- Develop lesson plans and practice problems for data structures and sorting algorithms

San Jose State University Residence Halls   Aug 2022 – Present
Residential Assistant, San Jose
- Student's 24/7 support and policy enforcer for 28 residents
- Worked with police department to safely escort 900+ students during fire alarm and keep residents calm and out of the way while providing students confidence in their safety

Google   May 2022 – Aug 2022
Software Product Sprint Participant, Remote
- Completed 3-week sprint with 3 teammates using *GitHub* to conduct code reviews
- Designed strategy to associate data in *Cloud Datastore* used for account association
- 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
TripBud ~ summer22-sps-36.appspot.com
  - 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

San Jose State University Peer Education   Jan 2022 – May 2022
Learning Assistant, San Jose
- Learned and implemented pedagogy to increase student success and STEM identity.
- Used constructivism to achieve 92.6% of 30 students having a better understanding of data structure concepts on a deeper level after speaking with me

Google   Jul 2021 - Sep 2021
Computer Science Summer Institute Participant, Remote
- Completed an introductory project-based *JavaScript* and *P5.js* processing curriculum
- 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*

SKILLS

Languages: Java, Python, HTML/CSS/JS, P5.js, Kotlin
Technologies: Git, Junit, Google Cloud, Datastore, Translate API
Tools: GitHub, Figma, Kanban Boards, Android Studio