

**SUMMARY** Graduating senior at University of California at Riverside majoring in Computer Science. Experience in leading small cross-functional team of engineers and UI/UX designers. Skilled in mobile development and startup management. Knowledgeable in data structures, efficient algorithms, scalable software architecture and machine learning. Seeking hands-on work experience as a Machine Learning Engineer or Data Scientist.

**SKILLS**

**Programming:** Java, C/C++, Swift, Flutter/Dart, JavaScript, MATLAB, R, HTML, TensorFlow, CSS, and SQL.

**Data science:** Neural Networks, Decision Trees, naïve Bayes, PCA, Clustering, and Regression.

**Technology and Software:** Xcode, IntelliJ, CLion, PyCharm, Android Studio, PubNub, Linux, Jupyter, CuPy, Trello, Slack, and GitHub Repositories or Organizations.

**Other:** Native speaker in German and English

**EDUCATION** **University of California at Riverside**, Riverside, CA  
BS, Computer Science **March 2021**

**EXPERIENCE** **Undergraduate Researcher** **Oct. 2020 - Present**  
**University of California at Riverside, Riverside**

- Implemented Python version of various feature extraction algorithms and optimized them for hardware acceleration by using CuPy and various other techniques.
- Created a machine learning model using TensorFlow aimed at identifying patterns in time series data. To make the time-series data usable for the neural network I preprocessed it using time2vec and a matrix profile.

**Project Team Lead** **Feb. 2020 - Oct. 2020**  
**MINDTAPP, Riverside**  
Planned and managed sprints and goals. Led a cross-functional team of 11 engineers and two designers. Communicated between team members and stakeholders. Kept track of development progress and goals. Delivered working beta 4 months before anticipated launch date.

**Software Engineer** **Aug 2018 - Oct. 2019**  
**MiraCosta Library**  
Built search page and search engine for archived college news paper editions from the 60s - 70s. Worked closely with Librarians to create an archiving scheme.

**PROJECTS** **LinkHub** **May 2020 - Present**  
**Riverside**  
Created LinkHub, an iOS and macOS app which stores and syncs audio/video meeting links across all user devices. Designed and built in Swift (SwiftUI) and utilizes the iCloud to sync data. Published app to iOS and macOS app store.

**Smart Trash****May 2020 - Oct. 2020****Riverside**

Smart Trash is an IoT enabled smart trashcan which can be controlled via smart speakers or a mobile app. Wrote IoT software and made custom circuits. Used cloud services to communicate between devices. Trashcan notifies users when bin is full via push notifications and internal speaker.