

Julian Beaulieu

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SUMMARY Masters student at Texas A&M University majoring in Computer Science. Experience in leading small cross-functional teams. Skilled in mobile development and startup management. Knowledgeable in data structures, efficient algorithms, software engineering, data mining and machine learning. Seeking hands-on work experience as a Machine Learning Engineer or Data Scientist.

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

Data science: NumPy, SciPy, Pandas, Scikit-learn, Pytorch, Selenium.

Technology and Software: Xcode, IntelliJ, CLion, PyCharm, Android Studio, PubNub, Linux, Jupyter, CuPy, Trello, Slack, AWS, and GitHub.

Other: Native speaker in German and English

EDUCATION **Texas A&M University**, College Station, Texas
MS, Computer Science August 2021 - June 2023

University of California at Riverside, Riverside, CA
BS, Computer Science, Cum Laude, 3.68 GPA March 2021

EXPERIENCE **Software Engineer** Sep 2021 - Present
Operation Airdrop
Developing a database and web client for the non-profit to manage donations and create missions for private pilots to fly in donations to disaster zones. Creating a portal for pilots to log on and choose their mission. This portal shows mission details such as amount of passengers, weight distances, number of stops and more.

Undergraduate Researcher Oct. 2020 - April. 2021
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.

- Experimented with a machine learning model in TensorFlow to better identify patterns in time series data.

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.

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 with an average of 500 monthly users.