

Kai Malloy

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Education

University of California, Irvine - Donald Bren School of Information and Computer Sciences | Dean's List
Fall 2017-present | GPA: 3.72/4.00 | Expected Graduation Bachelor of Science June 2021

Programming Skills

Languages

- Python, Java, C, C++, R, HTML, CSS, JavaScript

Skills

- Data Visualization with Python & R, Machine Learning, Android Development, iOS Development, Web Development, Git, Unit Testing, Scripting, Assembly (MIPS), Unix/Linux Shell

Work Experience

Calit2 | Machine Learning Researcher

January 2020 – Present

- Analyze various sustainability issues and implement IT solutions that can address the problems under Professor Tomlinson
- Currently building a Q&A platform with machine learning to aid in answering questions for the tree planting project that coincides with the Trillion Trees Initiative

Apple | iPhone Quality Engineer Intern

January 2019 – July 2019

- Compile large amounts of iPhone Failure Analysis data and find trends by experimenting with different means of visualization
- Present data to teammates and decide on further avenues of research as well as ways to refine the data visualization through multiple iterations
- Design and develop apps from scripts as a lasting and user-friendly tool for other teammates

AppJam+ | Mobile Application Mentor

September 2018 – December 2018

- Teach programming concepts through mobile application development to middle school students in Orange County
- Manage students' project from concept to completion: brainstorming, refining the app idea, splitting up tasks, creating and maintaining a schedule, teaching and advising
- Prepare students for a final showcase to show their completed mobile app

Givsum | Special Projects Intern

March 2018 – June 2018

- Design and brainstorm features for improving user experience for the company website while incorporating feedback from teammates
- Implement a calendar view of volunteer events from scratch as a test feature for the company website

Relevant Coursework

Machine Learning and Data Mining
Introduction to Artificial Intelligence
Intermediate Programming (Python)

Data Structure Implementation and Analysis (C++)
Discrete Mathematics for Computer Science
Introduction to Probability and Statistics for Computer Science

Language Skills

Bilingual: fluent in Japanese (spoken, written), English