

# Kai Malloy

malloy.kai@gmail.com  
Cell: (408) 645-9329  
17 Earlymorn, Irvine, CA 92614

www.kaimalloy.com  
github.com/kaimalloy  
linkedin.com/in/kaimalloy

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## Education

**University of California, Irvine** - Donald Bren School of Information and Computer Sciences | Dean's List  
Fall 2017-present | GPA: 3.78/4.00 | Expected Graduation Bachelor of Science June 2021

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## 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

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## 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

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## Relevant Coursework

Machine Learning and Data Mining

Algorithms for Probabilistic and Deterministic

Graphical Models

Introduction to Artificial Intelligence

Design and Analysis of Algorithms

Formal Languages and Automata

Introduction to Probability and Statistics for

Computer Science

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## Language Skills

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