Arthur Lafrance

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Education

University of California, Irvine, expected graduation June 2023

- B.S. in Computer Science

Professional Experience

Software Engineering Intern, Facebook, June 2021 - September 2021

- Compiler toolchain & infrastructure development with C, C++, x86, & LLVM.

Software Engineer, UCI Student Center & Event Services, February 2020 - present

- Full-stack iOS development using Swift, Python, MySQL, & AWS.

Software Engineering Intern, Centric Software, June 2020 - September 2020

- Created PLM canvas editor for iOS with Swift/Objective-C & Core Graphics.

Research Experience

Undergraduate Researcher - Network Databases, UC Irvine, September 2021 - present

- Adviser: Wayne Hayes
- Exploring the intersection of graph alignment seeding & network databases.

Undergraduate Researcher - Machine Learning, UC Irvine, January 2021 - April 2021

- Adviser: Wayne Hayes
- Investigated statistically-backed nearest neighbor distance-based classifier.

Teaching Experience

Lab Tutor - ICS 53, UC Irvine, Fall 2021

- Support student learning by answering questions & providing help in open lab.

Learning Assistant - ICS 31, UC Irvine, Fall 2020 & Winter 2021

- Supported students by holding office hours & managing small group in lecture.

Awards & Honors

- UC Irvine Dean's Honor List, Fall 2019 - Spring 2021
- Best Entrepreneurial Hack - Tapestry, HackUCI, February 2020