

## Arthur Lafrance

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Curious and driven undergraduate student seeking opportunities to gain valuable software engineering knowledge and industry experience using full-stack web and mobile application development skills.

## Experience

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

- Develop several widely-used campus iOS apps in an Agile environment on a full-stack basis.
- Use Python & SQL to define API endpoints and interact with each app-specific MySQL database.
- Use Swift to write full-stack local app code, regularly maintaining and expanding app functionality.

iOS Developer, ZotTrail November 2019 - present

- Contribute to ZotTrail, a UCI all-in-one application, using Swift to interact with internal gRPC API and to implement appropriate models, view, and controllers.
- Improve/debug app performance and develop major new features, such as housing integration.

Freelance Software Developer, Overdecorative August 2019 - January 2020

- Developed a web app for freelance art studio Overdecorative allowing clients to commission art projects and monitor their progression to completion.
- Created frontend web app using React/JavaScript, and backend API with Django and PostgreSQL.

## Projects

Tapestry

- Created a code visualization tool at HackUCI 2020 using Python/Django and HTML/CSS.
- App executes an inputted Python script and generates an SVG diagram illustrating the state of the variables and values (linked by references) within the script's global scope after execution.

## Awards and Honors

- UC Irvine Dean's Honor List, Fall Quarter 2019
- Best Entrepreneurial Hack (Tapestry), HackUCI, February 2020
- 1517 Fund Grant Award Recipient, February 2020

## Skills

General

- Python
- SQL
- Java
- Bash/Terminal
- Git
- AWS

Web

- HTML/CSS
- JavaScript
- Django
- React
- REST

iOS

- Swift
- Objective-C
- Xcode

## Education

University of California, Irvine

2019 - 2022 (expected)

- B.S. in Computer Science, cumulative GPA - 3.93
- Relevant Coursework: Advanced Python & Java, Software Engineering, Calculus, Statistics, Discrete Mathematics