

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 UCI campus iOS apps in an Agile environment on a full-stack basis.
- Use Python & SQL to interact with app-specific MySQL databases through AWS Lambda API.
- Use Swift to write full-stack app frontend and local backend code using the backend API.

iOS Developer, ZotTrail November 2019 - present

- Use Swift to implement appropriate models, views, and controllers and write local app code.
- Interact with both Firebase and internal gRPC service (through protocol buffers).
- 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 & SQLite.

Projects

Tapestry

- Architected and created a code visualization tool at HackUCI 2020 using 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.

Trivia Trek

- Used Swift, SpriteKit, and Firebase to lead development of an iOS trivia board game for the FBLA Mobile App Development competition, architecting and developing both backend and frontend.

Awards and Honors

- 2nd Place - Mobile App Development, California FBLA State Leadership Conference (April 2019)
- Top 15 Finalist - Mobile App Development, FBLA National Leadership Conference (June 2019)
- UC Irvine Dean's Honor List (Fall Quarter 2019)
- Best Entrepreneurial Hack - Tapestry, HackUCI (February 2020)

Skills

General

- Python
- SQL
- Java
- Git
- AWS
- Firebase

Web

- HTML/CSS
- JavaScript
- Django

iOS

- React
- REST
- 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; Discrete Mathematics; Statistics