

Jason Alaya

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github.com/pistachio05

EDUCATION

University of California, Irvine

Expected: B.S. Computer Science, 2020

Coursework: Information retrieval, Database Management, Data structure and Algorithms, Discrete Math, Statistics, Calculus Single-Variable, C++, and Java

SKILLS

Proficient: Python, Java, JavaScript,

Technologies/Environments: React.js, HTML, CSS, MySQL, XML, Linux, Git&GitHub, and Android Studio.

PROJECTS

Ant Almanac

Web App

- Web application to help UCI Anteaters with scheduling and course planning.
- Team project follows Agile development methodologies.
- Technologies: Node.js, React.js, Material-UI, Python, MongoDB, HTML, CSS.
- antalmanac.com

TravelAid

Desktop App

- Open source project in Java, provides info about countries for travelers.
- Object-Oriented Design: Encapsulation, Inheritance, and Polymorphism.
- JavaFx, Scene builder, Lambda Expressions, Send an automated Email.

Class Schedule Program

Console App

- Built a program to search for and display classes in a school system.
- Implemented C++ linked list to store and sort course objects.
- Utilized pointers and dynamic memory to optimize performance.

PROFESSIONAL EXPERIENCE

Python Lab Tutor, University of California Irvine

Oct. 18 – Present

Improve students coding, debugging, and design skills. Supervise a lab of 30 students.

Math Tutor, Golden West College

Sep. 16 – May.18

Improve students critical thinking and problem-solving skills, and encourage them to ask questions and develop an interest in the subject matter. Conducted tutoring sessions for both individuals and groups of 4-5 students.

Store Manager, Valero

Mar. 14 – Present

Supervise and manage store operations, handle various forms of payments and customer relations. Resolve customer complaints and technical difficulties.

Academic Researcher, CSU Fullerton

Summer 2017

Participated in a research project at the CSUF computer network security lab. The project analyzed DOS threats on a software-defined network (SDN), and discussed mitigation strategies. Built a virtual SDN using FloodLight open source controller, Mininet a network emulator, and sFlow traffic monitoring tool.

Certifications:

- C++ Certification (OCC), Cybersecurity Fundamentals (Udemy).