

Abel Theodros

(925) 389-2236 ◊ atheo125@gmail.com ◊ [LinkedIn](#) ◊ [GitHub](#) ◊ abeltheo.com

EDUCATION

University of California, Riverside

intended grad: December 2021

B.S. in Computer Science

GPA 3.2/4.0

Related Coursework:

Software Engineering, Web Development, Data Structures and Algorithms, Operating Systems

EXPERIENCE

Roku, Inc.

June - September 2021

Software Engineering Intern

- Delivered updates for latency test application to allow user to replace hard coded video content with their own content of up to 100 MB in a discardable volume
- Resolved error on test application to work on development engagement hardware from Amlogic
- Wrote testing code for HDMI ports on various development TVs and STBs in C/C++
- Replaced deprecated UI with newer content screens to improve user experience and allow for additional features

PROJECTS

R'Room

CS110: Web Development - UC Riverside

May - June 2021

- Developed a chatroom application for students to open private chatrooms and send messages to each other
- Accounts, requests and available spaces are stored MongoDB, while HTML/CSS/JavaScript, Bootstrap, and Node.js are used for the front-end
- Solely completed workload meant for four people by deadline due to teammates' schedule conflicts

Tic-Tac-Toe

Personal Project

September 2020

- Developed demo for a full stack gaming application with cloud computing for a multi-player game of Tic-Tac-Toe, teaching myself ReactJS and Flask alongside a partner
- Information for games and accounts such as scores and players stored with AWS DynamoDB

Safety Safe

CS179J: Embedded Systems - UC Riverside

Summer 2020

- Constructed and programmed a secure lockbox with two-factor authorization in Arduino and C to ensure maximum security of personal items of up to 10 pounds
- Detects specific frequencies from RFID key, records unlocks in access log, recognizes pressure patterns from touchscreen

TECHNICAL SKILLS

Proficient: C/C++, Python, Flask, HTML/CSS/JavaScript, Linux/Unix, git

Adept: Java, MongoDB, Node.js, AWS (DynamoDB, Lambda), React

PROFESSIONAL AFFILIATIONS AND INVOLVEMENT

Abyssinian Student Union (ASU), Vice President

August 2018 - June 2021

Association for Computing Machinery (ACM @ UCR)

August 2019 - June 2021