

## EDUCATION

University of California, Davis - *B.S. Computer Science, September 2010 - June 2015*

- Relevant Courses: Object-Oriented Programming, Data Structures, Algorithms, Networking, Databases, Computer Architecture, Systems Programming

AppAcademy - *Full Stack Web Development, August 2019 - December 2019*

- An intensive 16-week bootcamp that mainly focused on Ruby, Rails, JavaScript, React, and more

## SKILLS

- React, Ruby, Rails, Redux, JavaScript, HTML5, CSS3, jQuery, MVC Framework, SQL, Git, Python, AWS S3, RESTful APIs, CRUD, TDD (RSpec, Mocha, Jasmine, Capybara), Webpack, Node.js, Express.js

## PROJECTS

**adAstra** | *(MongoDB, Express, React, Node, AWS S3)*

[live](#) | [github](#)

*A cosmic event planning web app that allows users to create events and geolocate sites for stargazing*

- Collaborated in a group of four using Git Feature Branch to maintain controlled workflow, in which each member implemented and integrated a different feature after an approved pull request
- Integrated AWS S3 with a storage engine, Multer S3, for image upload which allows for scalability
- Hashed passwords using bcrypt, and bcrypt methods to match passwords upon user login

**MewTubu** | *(React/Redux, Rails 5, PostgreSQL)*

[live](#) | [github](#)

*Single-page web app clone of YouTube where users can view videos, and upload videos upon login*

- Integrated AWS S3 storage, facilitated by Rails Active Storage, that reduces server load and allows for scalability when uploading videos
- Implemented authentication to restrict users from making changes to other users' videos
- Integrated Redux to manage the state or data changes of the application, and HTML5 media components to create media playback for users

**What is that Zi?!** | *(JavaScript, HTML5, CSS3)*

[live](#) | [github](#)

*An interactive flashcard app that teaches users Chinese characters*

- Designed an interactive UI / UX interface that animates flashcards across screen upon click to educate users of Chinese characters

## EXPERIENCE

Lab Technician II

GENEWIZ, Inc., June 2018 - August 2019

- Used a proprietary database system to efficiently locate samples and primers, and taking the initiative to ensure its correctness by making necessary changes
- Trained new hires and provided tips for processing DNA samples in a timely manner to meet deadlines that optimized lab workflow by about 1-2 hours faster
- Improvised a procedure to reduce recurring mistakes due to miscommunication within the team

Quality Technician

Flying Food Group, December 2015 - June 2018

- Created a digital version of maintenance log using Excel & VBA to improve time efficiency by 50% when reviewing tasks
- Trained 60+ production employees on GMPs & SOPs through group training sessions to ensure procedures are properly followed