

JACKIE AU

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EDUCATION

University of California, Davis | B.S Computer Science

Sept 2016 – Dec 2020

Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming, Operating Systems, Artificial Intelligence, Web Development, Computer Networking, Software Engineering

TECHNICAL SKILLS

Languages: JavaScript ES6, HTML 5, CSS 3, C, C++, Python 3, SQL, MongoDB

Frameworks/Systems: React.js, Node.js, Express.js, Bootstrap, Figma, Git, Linux, Ubuntu

PROJECTS

Content Management System (Node.js, Express.js, MongoDB) | <https://github.com/ausomely/cms> 2021

- Created a CMS website application to manage blog posts for existing users and new users
- Utilized MongoDB and Mongoose to store Schema metadata for posts, categories, and registered users
- Prototyped a responsive UI backed by AJAX, view engine handlebars, routing API, controllers, Node.js

NASA AMES Patent Portfolio (Node.js, Fetch API) | <https://github.com/ausomely/ames> 2021

- Created a web application that displays charts of the number of NASA API patents based on category and center
- Utilized Fetch REST API to retrieve public data from NASA's patent website
- Integrated Javascript ES6, HTML 5, Chart.js, Bootstrap 5, and CSS styling to create a responsive UI

Davis Deals (React.js, Figma) | <https://github.com/ausomely/davis-deals> 2021

- Created a web application that shows weekly restaurant and bar deals of local businesses in Davis, CA
- Designed an aesthetic frontend interface with original icons using Figma
- Prototyped and developed a responsive app using React.js

Hack Davis PairItHub (Bootstrap, .NET core) | <https://github.com/ausomely/Hack-Davis-PairItHub> 2020

- Created a .NET core web application that allowed users to search for teammates for Hack-A-Thons
- Utilized Bootstrap to create an intuitive user interface and various web pages
- Collaborated with a graphic designer to finalize website layout pages, original icons, and logo

Q Learning Pong AI (PyTorch, Google VM) | <https://github.com/ausomely/q-learning-pong> 2020

- Created a Deep Q Learning AI that competed against other pretrained models in Pong using Pytorch
- Trained an AI model over a neural network using Google VM
- Utilized matplotlib.pyplot to create scatter plots to track performance of the trained AI model

ADDITIONAL

Skills: Microsoft 365, Google Suite, Analytical Skills, Project Management, Detail Oriented, Action Driven, Communication, Leadership, Teamwork, Visual Design

ACTIVITIES

Tau Kappa Epsilon

Dec 2017 – June 2018

Secretary

- Maintained schedules, meetings, and attendance for a fraternity of 55 members
- Increased total active membership participation which resulted in raising \$10,000 for St. Jude Children's Research Hospital over a 2 month period

Make-A-Wish

March 2019 – March 2019

Volunteer

- Collaborated efficiently with Home Depot supervisors to remodel a client's property
- Communicated with team members to complete labor intensive tasks to meet client's needs