

Jason Chau

jasonchauster@gmail.com ❖ (626) 822-0502 ❖ La Jolla, California

EDUCATION

University of California, San Diego

Bachelor of Science, Data Science

Graduated June 2021

La Jolla, California

- **Math Courses:** Statistics, Mathematics for Algorithms and Systems, Calculus, Linear Algebra
- **CS Courses:** Advanced Data Structures, Computer Organization and Systems
- **DSC Courses:** Database Management Systems, Data Analysis, Data Management, Neural Networks, Data Visualization

WORK EXPERIENCE

City National Bank, Los Angeles

Software Engineer Intern

Jun. 2020 – Oct. 2020

Los Angeles, CA

- Decreased Lightning Web Components custom form's development time by about 30 percent.
- Attended weekly scrum meeting to discuss weekly goals and updates
- Queried Server for rules using SQL and then created the form rules using JavaScript
- Collaborated with team to make sure that the project deployment went smoothly
- Introduced built frameworks to executives so that they could approve them

Information Technology Services, UC San Diego

Technician Intern

Jan. 2019 – Nov. 2020

La Jolla, CA

- Provided technical support for UC San Diego services and applications using ServiceNow
- Assisted in operations, support, and maintenance for an enterprise level network
- Scheduled and performed on-site appointments for network troubleshooting and setup
- Campaigned a Duo MFA and successfully rolled out the system to employees and students.

PROJECTS

Stock Movement Predictor (Python)

Jan. 2021 – March 2021

- Utilize Graph Convolutional Neural Network with one hidden layer to predict the stock movement of the Dow Jones 30
- Model achieved a testing accuracy of 59.65 percent accuracy over a 12-month time
- Utilized web scraping (Beautiful Soup) and the yfinance API to collect data.

Rule Genie (Javascript)

May 2020 – Oct. 2020

- A framework that allows administrators to easily create business rules in Lightning Web Components using JavaScript
- Made a GUI for administrators to easily create rules with just a click of a button
- Decreased Lightning Web Components custom form's development time by about 30 percent.

Airbnb Data Mining Challenge (Python)

May 2020 – June 2020

- Top 36/125 in placement in predicting the price of Airbnb housing given the housing features.
- Utilized grid search to test 7 different machine learning algorithms to optimize the model

2048 Game (Java)

March 2019 – April 2019

- Game's objective is to slide numbered tiles on a grid to combine them to create a tile with the number 2048
- Created a personalized GUI with customizable grid size using Java Swing library
- Debugged the game using Junit Testing

SKILLS & INTERESTS

Skills: Java / C / SQL / Python / JavaScript/ Bash / Unix / Shell Scripting / HTML/ CSS/Salesforce

Tools, Libraries and Frameworks: GDB, Git, Valgrind, JUnit, Vim, Pandas, Aura Components, LWC, Dask, Apache Spark

Interests: Network Security, Data management, Data Prediction, Cryptology, Machine Learning, Tennis

AWARDS

Chancellor's Scholarship

July 2017 - Present

- Given to students who have outstanding academic and extracurricular achievement
- Held weekly meetings to facilitate community and professional development