

Jakin Chan

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Education

University of California, Riverside

September 2019 - March 2024

- Masters of Science, in Computer Science GPA: 3.57
- Bachelor of Science, in Computer Science GPA: 3.85
- Dean's Honor List (12x); Chancellor's Honor List (2x); Cum Laude
- Completed Coursework: Machine Organization & Assembly Language, Design of Operating Systems, Advanced Computer Architecture, Compiler Design, Data Analysis Methods, Data Mining, Concurrent Programming & Parallel Systems, Artificial Intelligence, Algorithm Engineering, Database Management Systems, Big-Data Management, Advanced Software Testing & Analysis, Machine Learning

Projects

Summarizer - <https://github.com/liz-areizaga/summarizer>

- Collaborated in a team to develop a summarizer through APIs, React, Typescript, and Node
- Leveraged gpt-3.5-turbo model with the Chat-GPT API to summarize text into a digestible format
- Took advantage of the YouTube API to convert YouTube videos into a transcript with just a link

Feature Selection - <https://github.com/JakinChan200/CS205Project2>

- Implemented leave-one-out feature selection to process and develop a classifier for a given dataset
- Processed datasets ranging from 1000 data points and 10 features to 4000 data points and 80 features
- Optimized the code in a team to run 4000 data points and 80 features in 30 minutes with 97% accuracy

Skills

- Languages: C++ | Java | LC-3 | MIPS | LaTeX | SQL | HTML | CSS | Typescript
- Tools/Libraries: Github | Git | Visual Studio Code | vim | Gcov | Jupyter Notebook | React | Hadoop

Employment

Resident Advisor (RA) - Residential Life at UCR

Sept 2022 - June 2024

- Developed and hosted programs for 25+ residents based on predetermined educational goals
- Acted as a primary advisor for 45+ residents on available campus resources and housing needs
- Fostered the largest average hall GPA increase in the building of 0.17 and 0.18 two years in a row

Summer School Activities Leader - Cornerstone Academy

June 2018 - July 2018

- Directed 20+ second graders through a variety of indoor and outdoor activities
- Coordinated and led cooking activities, arts and crafts, storytime, Bible lessons, and field trips
- Prepared materials including posters, badges, decorations, and items necessary for the above activities

Extracurriculars/Leadership

Citrus Hack Operations Lead

Nov 2021 - May 2023

- Planned and organized technical workshops and activities to serve the 700+ participants
- Influenced prize and food selection, parking and room reservations, and security and faculty issues
- Secured 80+ judges, mentors, chaperones, workshop instructors, and volunteers to aid in the event

Program Lead Facilitator - Girls Who Code

Oct 2017 - June 2019

- Oversaw a program dedicated to teaching 20 middle school girls how to code
- Mentored in JavaScript, HTML, CSS, and GitHub to deploy websites as a final project
- Established instruction goals, developed curriculum, and collaborated with industry software engineers to deliver unique lessons covering a variety of topics in the computer science field

Youth Auxiliary Volunteer - Sutter Health

Nov 2017 - June 2019

- Ensured that all Outpatient Laboratory rooms are sufficiently stocked with medical supplies
- Organized and scanned over 400 urine and blood samples into the hospital database
- Prepared over 70 medical supplies per week for use by patients and laboratory staff