

Jocelyn Chan

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EDUCATION

The University of California, Merced

August 2018 – May 2022

Bachelor of Science in Computer Science & Engineering

GPA: 3.48

Relevant Coursework: Introduction to Computer Science, Data Structures & Algorithms, Discrete Mathematics, Computer Organization & Assembly, Introduction to Object-Oriented Programming, Spatial Analysis, Probability & Statistics, Databases

Awards: Dean's Honor List '18, '20 Chancellor's Honor List '21

Affiliations & Organizations: Mu Delta of Theta Tau (Professional Engineering Organization), Computing Alliance of Hispanic-Serving Institutions (CAHSI), Society of Women Engineers (SWE), Association for Computer Machinery (ACM), Society of Hispanic Engineers (SHPE), Fiat Lux Scholars Program

TECHNICAL & LANGUAGE SKILLS

- Bilingual in Spanish/English
- Languages: Python(Novel), Java(Proficient), C++ (Intermediate), HTML (Proficient), JavaScript (Novel)
- Technologies: Google Cloud, Google Map API, Google Cloud App Engine, Python Flask Framework, React, CSS, Bootstrap, Git, GitHub, RStudio, TestRail's API, Mac OSX (Unix), MySQL, MongoDB, Figma, Canva
- Soft Skills: Communication, Leadership, Team Collaboration, Technical Writing, Critical Thinking, Problem-Solving, Adaptability, Interpersonal Communications, Creativity, Time-Management, User-Centric Mindset

EXPERIENCE

NASA's Jet Propulsion Laboratory

June 2017 – August 2017

Software Developer Intern

- Developed 200 Python unit tests for the 2020 Mission to Mars' return mission modules
- Implemented a Python CSV reader to gather test run requirements and ingest test data with 700 rows
- Used Git and GitHub to track and distribute my code used by 15+ engineers
- Executed unit tests on the return mission modules that were used by my team before and after each deployment

Rookie Hacks Virtual Hackathon(MLH)

May 29, 2020 – May 31, 2020

Team Member, 3rd Place Winner

- Used HTML, CSS, and JavaScript to display a Google Map and markers where fatal and non-fatal alcohol and speeding accidents occurred in the nation from 2008 to 2013 using Google Map API
- Implemented functionality using Python that reads the ingest a CSV and exports the latitudes and longitudes data into a Python array of maps that the front-end uses to generate the markers on the Google Map

Bobcat Tunes

October 10, 2021 – December 5, 2021

Team Lead/Developer

- Utilized tiered data management architecture with a back-end database for efficient data storage and retrieval
- Designed and implemented an intuitive interface for users to interact with the application, enabling them to visualize the data in the database, add new data, delete, and update existing data with the use of front-end technologies such as HTML, CSS, JavaScript, and jQuery, and with the use of back-end technologies such as Node.js and MySQL

Speech-Recording App for Brain Health

February 01, 2022 – May 5, 2022

Developer

- Designed and developed a user-friendly, web-based automated speech sample collection tool using front-end technologies such as HTML, CSS, JavaScript, and jQuery as well as back-end technologies such as Node.js and MongoDB
- Utilized a pre-defined file structure to facilitate offline analysis of speech samples
- Contributed to advancing research efforts in linguistics and language acquisition by providing a robust, efficient, and customizable tool for collecting speech samples across multiple languages