

LUCAS SAECHAO

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OBJECTIVE

Passionate and learning computer science undergraduate with strong teamwork skills and a propensity for leadership, seeking to obtain a position in which I can leverage my four years of experience and education on both ends of the stack.

EDUCATION

California State University, Sacramento
Bachelors of Science in Computer Science

August 2016 - May 2021

- *Concentration in Software Engineering*
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RELEVANT COURSEWORK

- Software Engineering
 - Computing Theory and Programming Languages
 - Database Management Systems
 - Modeling and Experimental Design
 - Data Structures and Algorithm Analysis
 - Object-Oriented Graphics Programming
 - Computer Architecture and Organization
 - Computer Networks and Internet
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TECHNICAL SKILLS SUMMARY

Languages: Java, C++, C, Swift, PHP 7.3, JavaScript, x86 Assembly, SQL, Verilog, HTML, CSS

Database Management: MySQL, PostgreSQL

Tools: Github, Docker, Maven, Eclipse, Atom, PHP Storm, Xdebug, VS Code, Xcode, Apache Server

Other Technologies and Frameworks: Drupal (Symfony), Google Cloud Platform, Microsoft Azure, Core ML, Create ML

WORK EXPERIENCE

Full-Stack Drupal 8 Development Intern

May 2020 - Present

Divic.io - Sacramento, CA

- Developed and implemented website functionality such as dynamic form element updating, multiple windows targeting, and form validation on the front-end during a migration of the California Law Enforcement Website from Drupal 7 to Drupal 8 in JavaScript/jQuery.
- On the back-end, developed and maintained scalable PHP code, taking advantage of RESTful API for content filtering, user request processing and user login.
- Designed and deployed an algorithm that automated the migration of webform content and database submissions from Drupal 7 to Drupal 8 in PHP.

Front-End Web Development Intern

October 2019 - January 2020

California Department of Health Care Services - Sacramento, CA

- Front-end development position responsible for maintaining and ensuring active functionality and accessibility of website content, improving overall SEO
 - Analyzed and developed strategies that enhanced and optimized web team's accessibility testing pipeline by over 60%.
 - Audited and repaired potential accessibility issues, conforming every webpage to WCAG 2.0 compliance.
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PROJECTS

Machine Learning Animal Recognizer

- Using Apple's CoreML, CreateML, and Vision frameworks, wrote and trained a machine-learning algorithm to recognize different drawings of animals.
 - Machine-Learning model was trained using over 150 different drawings and images, and is able to deduce a hand drawn animal with accuracy.
 - The applet itself was written in Swift and deployed to Swift Playgrounds as an educational Playground Book.
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ADDITIONAL EXPERIENCE AND LEADERSHIP

California-Nevada-Hawaii Circle K International

April 2018 - March 2019

District Technology Committee Software Engineer

- Worked closely with Technology Committee to perform and maintain the CNH Circle K district website.
- Planned and deployed tools that aimed to assist the efficacy of leadership at the club level.
- Shipped tool developed using Apache POI for Microsoft Excel in Java to automate data-entry and simplify data metrics and analytics to gauge club performance.