

JERALDY CASCAYAN

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SKILLS

- Programming Languages: SQL, Rust, Typescript, Python w/ Tensorflow, Keras, Numpy, Pandas, Scikit-Learn, Pytorch
- Familiar with: Data Science, Machine Learning, DevOps, MLOps, Agile Methodology, RESTful API
- Tools: Git, AWS, VSCode, Jupyter Notebooks, Jira, Gitlabs, Linux, Docker, React

INDUSTRY EXPERIENCE

Software Engineer Content Developer, Sci-MI | Honolulu, HI

Curr
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Nov 2023

- Devised a Software Engineering curriculum, concentrating on theoretical foundations and advanced methodologies, including systems architecture, development life cycles, and quality assurance protocols
- Crafted and conveyed Software Engineering research content, inspiring first-gen, low-income students towards scientific careers, championing diversity and educational equality

Software Engineer Intern, Kuure | Portland, OR

Nov 2019
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Sep 2019

- Restructured e-commerce webpages from Wix to **MERN** Stack with **Redux** in **Typescript** and **Sass**, optimizing page speed by 10% along with responsive web design
- Fostered engineering rigor and software quality by engaging in bi-weekly code sprints, agile stand-ups, and meticulous iteration planning, driving forward the development pipeline

Data Science Intern, Purple Ma'ia Indigenous Accelerator | Honolulu, HI

Sep 2019
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July 2019

- Architected a data-driven market research system using **React** for front-end, with **Python/Node.js** back-end, automating data collection via **Selenium** web scraping.
- Assisted 7 startup workshops for 25+ Hawai'i indigenous founders to kickstart tech entrepreneurship deeply rooted in Aloha 'Āina, using technology to innovate community development, agriculture, and green energy

RELEVANT PROJECTS

cairtext.com

April 2023

- Cofounded a B2B AI-driven accessibility healthcare pilot startup, achieving over 1000 unique visits within 48 hours, aimed at enhancing patient-provider communication across the healthcare spectrum.
- Engineered a robust full-stack messaging solution integrating a web application with SMS capabilities using **JavaScript**, **HTML/CSS**, and **Firebase**, leveraging the Twilio API for seamless cross-platform communication. View source on [Github](#)

Augmented Science, 8th e-ICON South Korea World Contest

June 2018

- Led a USA-South Korea agile team of 3 that won first place among 19 national teams on solving global issues using mobile technology to devise scalable solutions for United Nation Sustainable Development
- Designed an augmented reality (AR) Android application in **C#**, utilizing Unity Engine, to gamify science education in developing countries, enhancing interactive learning. View source on [Github](#) and see our winning article

EXTRA-CURRICULAR

Technical Writer, simulacrae.com

Curr
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July 2019

- Established a writing hub and penned 100+ blogs on the latest VR and AR research, philosophical dimensions and potential positive transformations of everyday activities through virtualization. View simulacrae.com

Competitive Programmer, A.C.M. ICPC

Nov 2019

- Represented UH Manoa at the 2019 ACM-ICPC Pacific Northwest Regional Contest to solve various algorithmic problems in **Python** and **Java**, achieving a rank within the top 50th percentile among numerous collegiate teams

Founder/President, Awesome Computations Club

Sep 2019
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July 2019

- Founded and taught a curriculum that teaches computational thinking through artificial intelligence and game development to high school students weekly through **Python**

EDUCATION AND AWARDS

University of Hawai'i at Manoa, Honolulu, HI, B.S. Computer Science

Expected Graduation:

Dec 2024

- Current Courses: Linear Algebra & Differential Equations, Discrete Mathematics for CS, Statistics & Probability
- Past Courses: Java OOP, Algorithms, Cognitive Science in CS, Machine Learning, Network Science Methodology, Artificial Intelligence, Database Systems
- Activities/Awards: NASA IRTF Selection Award, Hack4theSea Hackathon (1st Place), e-ICON World Contest (1st Place), AFA CyberPatriot (Gold Tier)