ALICE CHI

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EDUCATION

HARVEY MUDD COLLEGE | Claremont, CA
B.S. Computer Science and Art, Graduated 2021
GPA: 3.6 Major GPA: 3.8 Dean's List, Graduated with Distinction, Departmental Honors in CS

Relevant Course Work: ML for Artists, Advanced Algorithms, ML, Computational Complexity, Data Structures & Program Development, Discrete Math, Computability & Logic, Intermediate Probability, Computer Systems, Software Development, Advanced Digital Art, Fundamentals of Music

EXPERIENCE

Software Engineer | **Google**   July 2021 – Present
- Enhance Ads metric monitoring and analysis tool to expand coverage and detect more outages while maintaining high precision and recall
- Collaborate with client teams to customize and tune monitoring system written in Python
- Extend tool for analyzing detector performance to take input from additional sources expanding the user base

Engineering Intern | **Google**   May 2020 – Aug 2020
- Worked on Google Ads team to reduce latency of an internal tool to run ads experiments used by thousands of employees
- Parallelized work done in backend of the API in Java and implemented the frontend in Dart improving overall latency by 50%
- Wrote SQL queries to collect log data to investigate bottle neck and track latency improvements

Engineering Practicum Intern | **Google**   May 2019 – Aug 2019
- Work on Search team to implement and render Search feature for Google app that runs on low end devices and used by millions of users
- Feature utilizes client-side rendering and model update framework and is implemented with a cross platform UI using an internal API and framework in Java

PROJECTS

Lost & Found Memories | lostandfoundmemories.cargo.site   Dec 2020
- Developed an interactive site experience delving into the objects left over from my past relationships including a VR experience
- Project addresses the meaning and sentimentality that we assign to objects and how mundane objects can act as a historical documentation Project was shared with and impacted over 200 people

Cover Song Identification, Project Manager & IC | Vobile Group, project paper   May 2021
- Organize a team of 5 people to research and implement a temporal pyramid pooling convolutional NN for cover song identification

Evergreen | SD Hacks 1st Place   Oct 2019
- Developed an eco-aware IDE with two other people in 36 hours that received 1st place overall at SDHacks
- Calculates the carbon emissions of running given code with information about the machine and number of requests, and utilizes a context-free grammar to offer more efficient code substitutions to reduce emissions using Flask
- Frontend uses React to create dynamic visuals and animations that change depending on environmental impact of given code

SKILLS & ABILITIES

Programing Languages: Python, Java, C++, SQL, HTML/CSS/Javascript, Hascal, C   **Foreign Languages**: Chinese (proficient spoken)
Tools: p5.js, Photoshop, Illustrator, Git, Bootstrap, AngularDart, React, Docker

LEADERSHIP

Noograds Global Lead, Google   Dec 2021 - Present
- Oversee, mentor, and support over 20 Noograds branches spanning over 3 continents with over 7,000 total members to provide community and connection for newly graduated employees at Google

Humans of SAGE, Google   Jul 2022 - Present
- Contribute content and design monthly Humans of SAGE newsletter to highlight various employees, deepening connection, inclusivity, and individuality within the SAGE organization at Google with 2,000+ employees

Senate Chair, Associated Students of Harvey Mudd College (ASHMC), Harvey Mudd College   Apr 2019 – May 2020
- Oversee and support over 40 student officers and representatives
- Act as a bridge of communication between the student body and the school's administration and board of trustees