

Kai Chang

E-mail: kaichangtech@gmail.com

Portfolio: kaichang1.github.io

GitHub: github.com/kaichang1

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Education

Oregon State University B.S. Computer Science	Sept 2021 – Jun 2023 (Expected) GPA: 4.0
University of the Pacific Arthur A. Dugoni School of Dentistry Doctor of Dental Surgery (D.D.S.)	July 2013 – June 2016
University of the Pacific B.S. Biology	Aug 2010 – May 2013 GPA: 3.94

Projects

Marina Management API

github.com/kaichang1/marina-management-api

- Developed a cloud-based REST API using **Node.js**, **Express.js**, and **Google Cloud Platform**.
- Tested with **Postman**.

Stock Article Analyzer

github.com/kaichang1/stock-article-analyzer

- Built a website to analyze stock articles using **Python**, **Flask**, and **Bootstrap**.
- Developed using **Agile Scrum** methodology with **Jira** for task management.

Neural Network

github.com/kaichang1/neural-network

- Developed a feedforward neural network utilizing backpropagation using **Python**.
- Trained and tested the neural network to perform classification on the Iris dataset.

Technical Skills

Languages

- **Proficient:** Python, SQL
- **Familiar:** JavaScript, C/C++, HTML, CSS

Frameworks & Technologies: Git, Node.js, Express.js, React.js, Flask, Bootstrap, Google Cloud Platform, Postman

Noteworthy Coursework

Data Structures, Algorithms, Databases, Web Development, Operating Systems, Cloud Application Development

Work Experience

General Dentist: LC Dental, Goh Smile Dental Care	Nov 2017 – Dec 2021
<ul style="list-style-type: none">• Diagnosed and treated dental diseases. Educated and communicated findings with patients.• Assisted in the management of offices with 5 staff members.	
Dental General Practice Residency: Community Regional Medical Center	July 2016 – Jun 2017
<ul style="list-style-type: none">• Performed routine and hospital dentistry in a Level 1 Trauma Center.• Held on-call responsibilities.	

Research Experience and Publications

University of the Pacific Research

- Worked on the development of novel pharmaceutical drugs against *Trichomonas vaginalis* and related strains.
- Research published in the *European Journal of Medicinal Chemistry* 74:657-63.
 - **PubMed:** pubmed.ncbi.nlm.nih.gov/24561663/