Kai Chang

E-mail: kaichangtech@gmail.com

Portfolio: kaichang1.github.io
GitHub: github.com/kaichang1
LinkedIn: linkedin.com/in/kai-hsiang-chang/

Education

Oregon State University	Sept 2021 – June 2023
Bachelor of Science in Computer Science	GPA: 4.0

University of the Pacific Arthur A. Dugoni School of Dentistry	July 2013 – June 2016
Doctor of Dental Surgery (DDS)	

University of the Pacific	Aug 2010 – May 2013
Bachelor of Science in Biology	GPA: 3.94

Projects

Marina Management API
github.com/kaichang1/marina-management-api
- Developed a cloud-based REST API utilizing a NoSQL database to help manage boats in a marina.
- Built with **Node.js**, **Express.js**, and **Google Cloud Platform**. Tested with **Postman**.

Stock Article Analyzer
github.com/kaichang1/stock-article-analyzer
- Created a website to analyze stock articles. Analysis results include a parsed list of all stocks mentioned, sentiment analysis to determine article tone, and selected key sentences from the text.
- Built with **Python**, **Flask**, and **Bootstrap** using **Agile Scrum** methodology and **Jira** for task management.

Neural Network
github.com/kaichang1/neural-network
- Developed a feedforward neural network utilizing backpropagation. Trained and tested the neural network to perform classification on the Iris dataset, with test results exceeding 93% accuracy.
- Built with **Python**.

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

Relevant Coursework

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

Work Experience

General Dentist: LC Dental, Goh Smile Dental Care   Nov 2017 – Dec 2021
- Diagnosed and treated dental diseases. Educated and communicated findings with patients.
- Assisted in the management of offices with 5 staff members.

Dental Resident: Community Regional Medical Center   July 2016 – June 2017
- Performed routine and hospital dentistry in a Level 1 Trauma Center.
- Held 24-hour on-call responsibilities for dental emergencies.

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/