CHRIS HONG

San Francisco Bay Area, CA   650-200-6787   hongchris96@hotmail.com   Portfolio   LinkedIn   Github

SKILLS

JavaScript | **React** | **Python** | **Go** | **HTML** | **CSS** | **SQL** | **PostgreSQL** | **Git** | **Frontend** | **Backend** | **Fullstack Web Development** | **Axios** | **Ruby on Rails** | **Nuxt.js** | **Vue.js** | **Webpack** | **Redis** | **Elasticsearch** | **AWS** | **MongoDB** | **Express.js** | **Node.js**

EXPERIENCE

Backend Service Engineer

Illfonic, LLc.   Sep 2021 - Dec 2024

- Optimized and maintained Backend **Go microservices**, cutting **API** response times by 30% and increasing system capacity to handle 50% more concurrent traffic.
- Designed and implemented the Friend service using **Go** and **PostgreSQL** database, writing complex **SQL** queries, delivering fully tested **API**s within one week, enabling downstream microservices and game teams to implement new social features at scale.
- Abstracted translation logic from the News service into a standalone Translation microservice, enabling shared multilingual support across multiple services and improving code modularity and maintainability.
- Collaborated cross-functionally with the Builds team to develop a centralized Builds monitoring page in **React**, **JavaScript** and **Go**, streamlining diagnostics and daily workflow.
- Revamped and expanded internal Frontend Dashboard using **React** and **JavaScript**, integrated with **API**s developed in **Go**, creating seamless user experiences for internal teams.
- Built customer-facing Frontend prototypes with **Nuxt.js** and **Vue.js**, accelerating early-stage design iterations and improving user adoption.

Research Associate I

Biotium, Inc.   Feb 2019 - Jan 2021

- Conducted 300+ bioconjugation reactions, ensuring 98% customer satisfaction and driving high-quality product development.
- Led weekly QC testing using ELISA, HPLC, and gel electrophoresis, achieving a 95% pass rate for viable product launches.
- Researched and improved protein stability for 100+ chromophoric conjugates, influencing the successful launch of 3 new high-brightness products with 150% improvement.

Operations Assistant

Karius, Inc.   Aug 2018 - Sep 2018

- Automated **SQL** data processing, generating reports that improved the research team's visibility into progress.
- Streamlined internal order and shipping workflows, reducing errors and improving lab efficiency.
- Optimized interoffice mail logistics, boosting productivity by 10% through a refined delivery system.

PROJECTS

DisGuy | *(Ruby on Rails, React/Redux, JavaScript, ActionCable/Websockets, HTML5, CSS3, Webpack)*   **offline** | **github**
A full-stack, single-page web app clone of Discord (a web communication platform)

- Designed and Built backend using **Ruby on Rails MVC** Framework and **PostgreSQL** database, including data models such as servers, text channels, users and messages.
- Optimized frontend rendering and data handling, using **React/Redux** and improving client-server efficiency.
- Implemented real-time chat using **Rails Action Cable & Redis**, supporting instant message delivery for thousands of concurrent users.

EDUCATION

AppAcademy - *Highly selective Full Stack Software Development program with a 3% acceptance rate.* 2021
University of California, Davis - *BS Pharmaceutical Chemistry.* 2018