CHRIS HONG

107 Manzanita Ave, South San Francisco, CA   hongchris96@hotmail.com   Portfolio   LinkedIn   Github

SKILLS

JavaScript, ES6, React, Redux, Golang, HTML5, CSS3, Node.js, SQL, PostgreSQL, Git, Python, Ruby on Rails, Nuxt.js, Vue.js, Webpack, Frontend, Backend, Fullstack Web Development, Redis, Elasticsearch, MongoDB, Express.js

EXPERIENCE

Backend Service Engineer

Illfonic, LLc.   Sep 2021 - Present

- Refactored and implemented new features on the company internal Dashboard with React, other JavaScript libraries, and Semantic UI Framework.
- Developed Frontend web mock-ups using Nuxt.js and Vue.js Frameworks, streamlining the early-stage website creation process for Illfonic's game consumers and enhancing overall design clarity and efficiency.
- Updated and maintained codes in Golang microservices, improving overall performance, scalability, and reliability of core backend systems.

Research Associate I

Biotium, Inc.   Feb 2019 - Jan 2021

- Performed >300 Bioconjugation reactions for production and research, resulting in 98% customer satisfaction.
- Executed Quality Control tests weekly for outgoing products using lab techniques including ELISA, HPLC, Gel electrophoresis. Achieved 95% pass rate, resulting in viable product launch.
- Conducted protein stability studies on over 100 chromophoric conjugates, presented research results weekly to the board members, and assisted the launch of 3 new products with >150% brightness level.

Operations Assistant

Karius, Inc.   Aug 2018 - Sep 2018

- Leveraged SQL queries to preload data and generate graphical reports for the lab team, allowing better visualization of the research progress for non technical company members.
- Processed internal orders and shipping labels for NGS reagent & other research accessories.
- Sorted all incoming mail including interoffice mail, packages and delivered to appropriate personnel, resulting in >10% increase in productivity.

PROJECTS

DisGuy | *(Ruby on Rails 5, React/Redux, JavaScript, ActionCable/Websockets, HTML5, CSS3, Webpack)*   **live** | **github**
A full-stack, single-page web app clone of Discord (a web communication platform)

- Leveraged Rails Action Cable and Redis to establish web-socket connections and stream messages for live-chat.
- Incorporated custom frontend restrictions and validations to avoid unnecessary AJAX requests.

Geese Shooter | *(JavaScript, HTML5, CSS3, Webpack)*   **live** | **github**
A side-view 2D platform shooter game built using Canvas and Vanilla JavaScript

- Implemented HTML Canvas to dynamically render 2D shapes and bitmap images to create visually compelling background and game characters.
- Incorporated a custom drawImage function to render different frames of the source image at calculated timepoints, creating smooth and visually appealing animation for game characters.
- Attained a communication network with requestAnimationFrame, collision detection, and custom functions between the main character and surrounding features for an interactive gameplay.

EDUCATION

AppAcademy - *Highly selective full stack web development program with a 3% acceptance rate.* Graduated 2021
University of California, Davis - *BS Pharmaceutical Chemistry.* Graduated 2018