

Richard Wei

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github.com/richardswei | <https://richardswei.github.io/portfolio/>

Education

University of California—San Diego

B.S. Physics/Biophysics | Graduated June 2016

Skills

Programming Languages: JavaScript, Java, Ruby, Python, HTML, CSS, Wolfram Mathematica

Tools: Git, React.js, Ruby on Rails, Linux, SQL

Professional Experience

HealthTrio

Software Engineer I | Apr 2020 – Present

- Worked on a new microservice by building web services to vend patient data on the HealthTrio platform.
- Developed production-level frontend applications and components in React.js.
- Performed maintenance across the stack by pruning legacy backend code and refactoring outdated interfaces.
- Built SAML 2.0 single sign-on implementations between our clients and their vendors.
- **Skills used:** Java, Spring Boot, JavaScript, React.js, SQL, PostgreSQL, ColdFusion, FreeMarker

Stepping Stones to Learning

Teacher/Tutor | Jan 2019 – Aug 2019

- Taught math and writing at elementary through high school levels.
- Designed adaptive lesson plans tailored to students' learning styles and tendencies
- Collaborated with fellow teachers/tutors to expand teaching toolkits.

Enrich Consulting

Analyst/Developer | July 2016 – Oct 2018

- Communicated with portfolio managers in the pharmaceutical industry to architect financial models.
- Demonstrated flexibility by balancing feature development and technical support across multiple clients.
- Integrated a project records editor with client's data visualizations, netting them a workflow improvement by nearly 15%.
- **Skills used:** JavaScript, D3.js, jQuery

Projects

Chang's Slang - The Chinese Urban Dictionary | Nov 2019 | chinese-urban-dictionary.herokuapp.com

- Developed a single page application that serves as a Chinese slang dictionary targeted at English-speaking Mandarin students.
- Created a responsive on-screen transliterator, harnessing the power of Google Input Tools API.
- Configured custom authentication using JSON Web Tokens.
- **Skills used:** Ruby on Rails, React, MySQL, Heroku, RESTful API Development

SeatGeek Ticket Alert | Feb 2020 | seatgeek-ticket-alert.herokuapp.com

- Developed an application that tracks the prices of secondhand tickets to major sporting events.
- Configured Rake tasks to handle automated email sending and hourly price updates..
- **Skills used:** Ruby on Rails, React, PostgreSQL, Heroku, Cron