Richard Wei

San Jose, CA (Open to Relocation)
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Education

University of California—San Diego
B.S. Physics/Biophysics | Graduated June 2016

Skills

Programming Languages: Javascript, Ruby, Java, Python, HTML, CSS, Wolfram Mathematica
Tools: Git, Bootstrap, React, Ruby on Rails, RSpec, Linux, SQL

Professional Experience

HealthTrio
Software Engineer I | *Apr 2020 – Present*

- Developed microservice architecture based in Java Spring Boot to vend data on the HealthTrio platform.
- Performed modern frontend development in React.js as well as legacy UI maintenance in Coldfusion and Freemarker.
- Built SAML 2.0 SSO implementations between our clients and their vendors.
- **Skills used:** Java, JavaScript, React.js, Coldfusion, Freemarker

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

Predicting NBA Player Market Valuations Using Neural Networks

- Designed and trained a Python-based neural network that predicted NBA players' salaries based on their year-to-year performances.
- Used statistical techniques such as multidimensional regression to analyze the neural net outputs.
- Communicated results in presentation and technical paper
- **Skills used:** Python (scikit-learn)