
TONG WANG

Full Stack software engineer

wang7ong@gmail.com | 415-319-5577 | 2112 22nd Street, San Francisco, CA

Github: <https://github.com/YoduYodu> LinkedIn: <https://www.linkedin.com/in/wang7ong/> Website: <https://yoduyodu.github.io/>

EDUCATION

University of San Francisco (Aug 2018 - May 2021)

GPA - 3.88

Master's degree in Computer Science

Selected Courses: Object-Oriented Programming // Data Structures // Advanced Algorithms // Software Development // Parallel Programming // Data Visualization // Data Processing in Cloud// Discrete Math

Tongji University(2010-2015)

Bachelor's degree in Architecture

WORK EXPERIENCE

Software Engineer Intern at Amazon(May 2019 - Aug 2019)

- Built a **micro-service** to automate batch onboarding.
- Designed UI/UX and implemented front end to display data and process requests. (**Javascript, React**)
- Designed an extensible, scalable backend **micro-service** system to execute business logic, along with multiple RESTful APIs for data validation and processing.(**Java, XML, SQL, AWS**)
- Worked with Linux/Unix, push source code/unit tests to **production code base**, collaborate with team members on a daily basis, held design meetings and demo.
- Saved 2 hours for each request, of thousands of requests per day.

Designer at tezign.com (Sep 2015 - Sep 2018)

- Focused on interior, graphic, UI&UX design.

PERSONAL PROJECTS

Sentiment Sensor(**React, javascript, Django, Python, NoSQL, NLP**)

- Designed and implemented a **deep learning, full stack web app** that can predict the sentiment of a paragraph from user, with 95% accuracy.
- Collected dataset in parallel, along with validation set and data cleaning on IMDb movie reviews.
- Created language *model* and applied transfer learning on target corpus.
- Extracted the encoder from the language model, and pair it with a classifier and fine-tune this model.
- Designed and built an SPA(Single-Page-Application) using **React**.
- Designed and implemented backend system with numerous **RESTful API** using **Python/Django**.
- Designed Data Schema, integrated database with backend system using **MongoDB(NoSQL)**.

Hotel Search web app(**React, Node, javascript, MySQL, Google Cloud Platform**)

- Designed and implemented multi-page frontend using **React.JS/Javascript**.
- Designed and built RESTful API along with **MySQL** database handling using **Node.JS/Javascript**.
- Deployed by using **Google Cloud Platform** and **Docker**.

Data visualization for US housing market(**Javascript, D3, Tableau**)

<https://usf-cs360-spring2019.github.io/project-YoduYodu/>

- Analyzed data, and designed prototypes using **Tableau**.
- Implemented interactive data visualizations using **Javascript, D3**.

ACTIVITIES

- LGBTQ event - Lesbians Who Tech + Allies Summit.

SKILLS:

- Proficient languages: Java, Python, C/C++, Go, Javascript
- Tools: AWS S3/DynamoDB/SQS, Spring, Django, MySQL, MongoDB, React.JS, RESTful API.