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# TONG WANG

Full Stack software engineer/Machine Learning

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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 - 3.89

Master's degree in Computer Science

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

Tongji University(2010-2015)

Bachelor's degree in Architecture

## WORK EXPERIENCE

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

- Overall, built an internal application to automate onboarding application involving UI/UX design, system design, and frontend + backend implementation using **React.js, Java, AWS**.
- Saved 2 hours for each onboarding request, handling thousands of request every day.
- Designed and implemented frontend system to accommodate 10+ different business requests.
- Designed an extensible, scaled system to handle multi-tenant requests.
- Code multiple RESTful APIs for data retrieval, including validation and API integrations.
- Worked with Linux/Unix, wrote production code and unit tests, held design meetings, demo with the team.

Designer at tezi.com (Sep 2016 - Sep 2017)

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

Cofounder at Yichou (Sep 2015 - Aug 2016)

- Built an off-line advertisement service for Uber, DiDi drivers.

## PERSONAL PROJECTS

Sentiment Sensor(**React.js, javascript, Django, python, MongoDB, deep learning, NLP**)

- Designed and implemented a deep learning, full stack app that can determine the sentiment of a paragraph from user input, 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 using **ULMFiT** algorithm.
- 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.js**.
- Designed and implemented backend system with numerous RESTful API using **Django**.
- Designed Data Schema, integrated database with backend system using **MongoDB(NOSQL)**.

Hotel Search web app(**React.js, Javascript, Java, MySQL, Google Cloud Platform**)

- Designed and implemented multi-page frontend using **React.js/Javascript**.
- Used **Java** as backend language for numerous RESTful APIS along with **MySQL** database handling.
- Deployed by using **Google Cloud Platform** and **Docker**.

Movie Recommender web app(**Java, MySQL, HTML, CSS**)

- Implemented UI and functionality using **HTML, CSS**.
- Implemented server including database maintaining, user authentication, session handling by using **Java, MySQL**.

Data visualization for US housing market(**Javascript, D3.js, 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.

## AWARDS

- Graduate: MSCS Scholarship for Excellence.
- Undergrad: Academic scholarship of College twice(15%), honor class student of college(21 out of 400), academic Scholarship of University, baseball team leader.

## SKILLS

**Java,Python,Javascript,Golang,Bash,Shell,C,Node.js,Django,MongoDB,PyTorch,deeplearning,Flask,SQL,HTML,CSS,Spring,MySQL,React,Git,AWS,D3.js,Tableau,MPI,Pthread**

references available upon request