

---

# TONG WANG

full stack software engineer/Machine Learning

wang7ong@gmail.com | 415-319-5577 | 2112 22th 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 to May 2021)

GPA - 3.89

Master's degree in Computer Science

Selected Courses: Object-Oriented Programming // Data Structure & Algorithms // Modern Parallel Programming // Data Visualization // Discrete Math // Advanced Algorithms // Software Development Principals

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 process by accomplishing user experience design, system design, and back-end using Java, XML.
- Designed an extensible system to handle multi-tenant requests.
- Code multiple RESTful APIs to get resources, validate inputs, and process onboarding.
- Worked with Linux/Unix, wrote unit tests, and pushed production code to code base.
- Held design meetings and demo with the team.

Designer on [teziqn.com](http://teziqn.com) (Sep 2016 - Sep 2017)

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

Cofounder at Yichou Co.(Sep 2015 - Aug 2016)

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

## PERSONAL PROJECTS

Natural Language Processing model(PyTorch, Jupyter, deep learning, NLP, Golang)

- 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.
- Implemented a web app that allows users to identify the sentiment of their inputs using Golang and React.js

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

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

Shipment tracking system(React.js, Node.js, Express.js, MongoDB)

- Created UI for users to manage their shipment tracking history using **React.js**.
- Implemented backend system to operate on **Ship engine APIs, MongoDB** using **Node.js, Express.js**.

SMS with Twilio APIs(Python, Flask)

- Set up a twilio SMS-enabled Twilio phone number and send/receive messages with it using **Twilio APIs**.

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,C,Node.js,MongoDB,PyTorch,deeplearning,Flask,SQL,HTML,CSS,Spring,MySQL,React,Git,AWS,D3.js,Tableau,MPI,Pthread,Apache Velocity Engine,Linux,Unix,Golang