ANGELA ZHU

angelazhu.me | 415-816-3283 | xiaolinangela@gmail.com | LinkedIn | GitHub

SUMMARY

Software engineer proficient in both backend and frontend technologies. Currently working as a backend engineer at Tabapay, a card payment processing company that helps other fintech companies disburse and collect payments in real-time. Passionate about building quality software, tackling complex problems, and designing beautiful interfaces.

EDUCATION

University of California at Berkeley

- M.S. Mechanical Engineering   **Graduated May 2018**
- B.S. Civil and Environmental Engineering   **Graduated December 2013**

Additional Coursework: Algorithms, Data Structures, Software Engineering, Web Development, SQL, Engineering Analysis

SKILLS

Languages: Golang, Python, JavaScript, Java, C, SQL, Bash
Technologies: React.js, Django & DRF, Flask, Redux, MySQL, PostgreSQL, Node.js, Nginx, AWS, HTML5, CSS, SASS

PROFESSIONAL EXPERIENCE

TabaPay – Software Engineer | Mountain View, CA | Stack: Golang, MySQL, AWS   **August 2020 – Present**

- Built system that enables clients to update their stored payment card information in real-time through Visa & MasterCard networks and eliminates declined transactions.
- Built client dashboard backend that allows customers to view, manage, and download transactions, invoices, and reports without the need to use the API.
- Developed a full stack portal that allows merchants to submit requests for proof of disbursement.
- Led Agile & sprint planning process for the engineering team and functioned as scrum master for a variety of projects.

Kateeva – Product Marketing Engineer | Newark, CA   **August 2018 – January 2020**

- Led cross-functional teams through the product lifecycle for OLED nano-grade ultrathin film display inkjet printers.

Tesla Inc – Mechanical Engineering Intern | Fremont, CA   **May 2017 – Jan 2018**

- Developed strength FE models using CAE models to analyze and optimize Tesla vehicle designs (Models S, X, 3, and Truck).

American Bureau of Shipping – Ship Structural Engineer | Houston, TX   **January 2014 – July 2016**

- Led engineering plan reviews for vessels & marine structures and conducted maritime regulation inspections on them.

PROJECTS

Quarantina Recipes | GitHub | Live Demo | Stack*:* React, Redux, Python, Django, Django REST Framework, PostgreSQL

- Built a service that allows users to create & share their favorite food recipes with each other, as well as interact with other users in the community using twitter-like features (profiles, followers, feed list etc).
- Developed a React-based responsive frontend with using Redux containers & selector patterns for state management.
- Built a RESTful backend API using Django & Django Rest Framework backed by PostgreSQL and deployed on AWS.

Stream - Twitch Clone | GitHub | Stack*:* React, Redux, ReduxForm, Node.js

- Developed a web application that allows users to create and view live streams using Redux single-state management system.
- Implemented authentication using Google Sign-in & OAuth 2.0 flow and handled Auth Status through Redux.

Beach Resort | GitHub | Live Demo | Stack*:* React, React Context API, Contentful, CSS, Responsive Design

- Developed a responsive react app to display hotel room availability with filter functionality using React Router, React Context API for state management and Contentful for data management.

Craigslist Web Scraper | GitHub | Stack: Python, Django

- Built a web scraper that can reliably parse the HTML DOM of Craiglsist.org posts and allows searching stored posts.

RESEARCH

Technische Universität Hamburg – Visiting Graduate Researcher | Hamburg, Germany   **May 2018- August 2018**

- Contributed Matlab code to the development of topology optimization methods of flexible multibody systems.

Osaka University Graduate School of Engineering – Undergraduate Researcher | Japan   **March 2013 – August 2013**

- Performed FEA using MSC Marc on various hollow steel columns to observe the seismic behavior.

LEADERSHIP

Women Who Code – Silicon Valley Chapter Leader   **June 2019 – Present**

- Organized tech meetups and webinars to assist women developing new technical skills and advancing careers.