

Irene Zeng

Email: irenezeng2020@gmail.com
Github: <https://github.com/zyzeng1412>

Belmont, CA

Phone: (608)9091256
Web: ziyunzeng.com

WORK EXPERIENCE

Turing Video

06/2020 - Present

Software Engineer Intern

- Designed and implemented frontend of a RESTful website application in React, Redux and Material-UI for company IOT device management.
- Developed and improved backend services in Golang and Shell scripts.
- Worked with product manager and co-workers; implemented multiple releases in Agile development approach.

Booklist App

03/2018 - Present

Part-Time Software Development Engineer

- Developed and maintained a full stack iOS application of customized booklist management; achieved 30k+ downloads and registrations; get featured in Airport Community and Price Tag.
- Provided key features such as book search, syncing on multiple devices, barcode and QR scanning.
- Designed and developed frontend services using Swift and data storage and management using Realm Swift.
- Implemented the user interface by collaborating with designers; released multiple updates and improved user experience via communicating with customers to provide product guideline and collecting feedback.

EDUCATION

University of Wisconsin-Madison, Madison, WI

09/2017 - 01/2020

M.S. in Computer Science

- Teaching Assistant in two advanced programming classes – Introduction to Artificial Intelligence, Java Programming and Data Structure.

State University of New York - Albany, Albany, NY

09/2013 - 01/2017

B.S. in Computer Science, B.A. in Economics (Dual Degree)

INDEPENDENT PROJECTS

Bucket: A Bucket List iOS App

08/2020 - 10/2020

- Developed a bucket list iOS application motivating people to finish targets and helping users track and record goals.
- Developed frontend UI with SwiftUI and store user data in Core Data.
- Implemented key features such as create/edit/delete buckets, filtering by status and drag and drop sorting.

Matrix: Location based Android App for Smart Driving

09/2020 - 10/2020

- Developed an Android app for driving users to post alerts and receive nearby alerts such as speeding, police, traffic, drunk etc.
- Used Google Firebase to store and manage user-generated content including comments, images, descriptions, title, geolocations.
- Implemented the viewPager to hold the logic and register fragments; improved the UI/UX flow with Animation, Toolbar/ActionBar etc.

Around: A Location and React based Social Network

08/2020 - 09/2020

- Developed a twitter-like social network in Go and React to handle posts and deployed to Google Cloud.
- Utilized ElasticSearch to provide geo-index based search functions for users to search nearby posts.
- Implemented basic token based registration/login/logout flow with React Router and server-side user authentication with JWT.
- Used Google Dataflow to implement a daily dump of posts to BigQuery table for offline analysis.

Name Classification in Text

02/2019 - 05/2019

- Developed multiple classifiers to detect human names in text on a dataset of sports articles.
- Achieved precision of 95.79% and recall of 98.81% via feature engineering with NLP techniques.

Mini-EBay Auction WebApp

09/2018 - 11/2018

- Parsed the EBay data and developed the backend for a web application for auction listing and bidding.
- Designed the end-to-end architecture; developed the frontend in Python and Jinja2 to support functions including auction posting and browsing, adding bids, transaction completion and recording, with SQLite database.

SKILLS

Languages: C, C++, C#, Go, Java, JavaScript, Julia, PHP, Python, Shell scripting, SQL, Swift

Frameworks: Bootstrap, Django, Flask, Hadoop, Hive, Material-UI, Node.js, React, SwiftUI, Spark, Spring, TensorFlow, Vue.js