Annie Zhou

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EDUCATION

UNIVERSITY OF MICHIGAN
B.S. IN COMPUTER SCIENCE
Dec 2022 | Ann Arbor, MI
GPA: 3.88 / 4.0

NATIONAL UNIVERSITY OF SINGAPORE
STUDY ABROAD
Jun 2022 | Singapore

LINKS

LinkedIn: **annie-zhou**
Personal Site: **zannie.netlify.app**

COURSEWORK

Data Structures and Algorithms
Web Systems
UI / UX, AR / VR Design
Computer Security
Computer Organization
Media Computing
Statistics and Data Analysis
Computer Science Pragmatics

SKILLS

Programming Languages:
C++ • C • Python • Java
Javascript • JSP • R • Matlab • Shell •
Frameworks:
Vue.JS • Flask • React • MVC • Unity
Flutter •
Other Tech:
HTML/XML/CSS • SQL • Git • AWS •
OOP • Firebase

AWARDS

University Honors (Fall '19-'20, Winter '19 – '21)
James B. Angell Scholar(Winter '21)
William J. Branstrom Freshman Prize (Fall '19)
Regent Merit Scholarship Recipient (Fall '19)

EXPERIENCE

SID LEE | FULL-STACK INDEPENDENT CONTRACTOR
Mar 2023 – Oct 2023 | Montreal, CA
- Designed and built a scalable Python Flask web-app that analyzes journal article pitches, then outputs scores and improvement suggestions.
- Used GTrends and GNews API to build a vector-space model to perform context and sentiment analysis on the article pitch.
- Deployed using AWS Elastic Beanstalk and AWS CodePipeline, presented at the **C2 Conference** in Montreal, CA

AMAZON | SOFTWARE ENGINEERING INTERN
June 2022 – Aug 2022 | Sunnyvale, CA
- Utilized shellscripts, Step and Lambda functions, S3 Buckets, and Redshift to create an automated end-to-end testing framework for Alexa Conversation training models.
- Created a Java API to receive user input and generate and execute SQL queries to easily integrate test metrics visualization into any UI .
- Implemented a full-stack dashboard to view and compare model test metrics outputted by the testing framework with Spring, Java, and JSP.

UNIVERSITY OF MICHIGAN | WEB SYSTEMS TEACHING ASSISTANT
Aug 2022 – Dec 2022 | Ann Arbor, MI
- Worked as part of the teaching team for EECS485, a holistic course for full-stack modern web systems and technologies.
- Taught weekly 20+ person lab sections and conducted office hours to help students with projects and exams.

FACTSET | SOFTWARE ENGINEERING INTERN
Jun 2021 – Aug 2021 | Chicago, IL
- Factset provides data solutions that are used by J.P Morgan, Wells Fargo, etc.
- Utilized JavaScript, Vue.JS, and internal UI library to implement and stylize a client-facing dashboard to visualize interest yield curves.

PROJECTS

WORDLE TERMINAL GAME
- Recreated the popular NYT game Wordle to be played in the terminal without needing Wi-Fi, as a present for a friend that loves word games.
- Used Python and shellscript to implement custom messages, colorful graphics and animations, and a game menu.

INSTAGRAM CLONE
- Simulated Instagram with React, implemented with client-side dynamic pages and a RestAPI, styled with CSS.
- Utilized Python and performed SQL queries in Flask to render server-side dynamic pages and RestAPI.

EVENT DISCOVERY MOBILE APP
- Worked on a team to build an event discovery mobile app with Flutter and FireStore.
- Utilized cloud functions, dart, and Typescript to periodically fetch events from TicketMaster API and populate in app to display.