

# 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:

[azhou0104.github.io/zannie/](#)

## 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.