

# Danny Zou | Software Engineer

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## Experience

### The Michaels Companies, Inc.

Dallas, TX

Lead - Software Engineering

January 2021 - Present

- Served as technical lead for a greenfield C2C marketplace and redesign of the existing B2C platform
- Developed and maintained an in-house front-end design system to promote code reusability and scalability
- Enforced code quality and front-end conventions within a rapidly growing codebase (250k+ LOC)
- Led several SEO and site performance efforts within B2C, C2C, and B2B projects to enhance customer engagement and overall accessibility
- Mentored a team of engineers and provided technical guidance on several projects within the company
- Created and conducted several interviews for potential engineering candidates
- Initiated weekly project builds and ran regression testing to ensure smooth deployment to several environments
- Collaborated closely with product managers and designers to improve overall site experience and define engineering requirements

### The Michaels Companies, Inc.

Dallas, TX

Software Development Engineer 2

July 2020 - January 2021

- Implemented various site pages and components in React for a new C2C marketplace platform
- Implemented automated QA scripts through Selenium Grid and ran cross-browser testing within Sauce Labs
- Developed a data visualization POC using Python, neo4J, and Cypher for existing PLM system data

### SinoVision

Flushing, NY

Technology Intern

Summer 2017

- Assisted logistics and day-to-day operations
- Fixed systems and hardware of T.V station equipment including recording software and audio/video devices

## Education

### Purdue University

Class of 2019

Bachelor of Science, Computer Science

#### Relevant Coursework

- |                                      |  |                               |
|--------------------------------------|--|-------------------------------|
| ○ CS180 OO-Programming               | ○ CS307 Software Engineering           | ○ MA161 Calculus I            |
| ○ CS190 CS Tools                     | ○ CS354 Operating Systems              | ○ MA162 Calculus II           |
| ○ CS182 Foundations of Comp. Sci     | ○ CS373 Data Mining & Machine Learning | ○ MA261 Multivariate Calculus |
| ○ CS240 Programming in C             | ○ CS390 Virtual Reality Applications   | ○ MA265 Linear Algebra        |
| ○ CS250 Computer Architecture        | ○ CS407 Senior Project                 | ○ STAT350 Intro to Statistics |
| ○ CS251 Data Structures & Algorithms | ○ CS408 Software Testing               |                               |
| ○ CS252 Systems Programming          | ○ CS448 Relational Database Systems    |                               |

Semester Honors: Fall 2016, Fall 2019

Purdue University

## Projects

**StreamPuddle:** CS407 Senior Project

React/PHP/SQL

- Online media livestreaming platform built using Nginx and FFMpeg.

**Froomie!:** CS307 Project

React/Meteor

- Collaborative roommate-matching/social media web app

**Web Quest:** CS252 Final Project

Node.js/Socket.io

- Online multiplayer medieval RPG game built with the Phaser framework and Socket.io

**Shell:** CS252 Project

C/C++

- Interactive UNIX shell built with lex and yacc

## Skills

**Languages:** Java, C, C++, C#, Python, R, Swift, JavaScript, HTML5, CSS3

**Tools:** UNIX, Git, Bash, Node.js, React, AngularJS, Meteor, MongoDB, Phaser, Socket.io, p5.js, Valgrind, SQL, L<sup>A</sup>T<sub>E</sub>X, AutoDesk Maya, Unity, Unreal Engine 4, Xcode, Storybook, Chromatic, bit.dev, neo4J, Cypher, Sketch, Figma

## Extra-curricular Activities

**Purdue Hackers Club:** Developer

Purdue University

- Collaborated with classmates to design and implement various systems and software projects.

**Purdue iOS Development Club:** Developer

Purdue University

- Discovered and assisted the development of multiple iOS projects including the unofficial Purdue app.