

# Danny Zou | Software Engineer

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## Education

### Purdue University

Bachelor of Science, Computer Science

Expected Graduation: May 2019

### Relevant Coursework

- CS180 OO-Programming
- CS190 CS Tools
- CS182 Foundations of Comp. Sci
- CS240 Programming in C
- CS250 Computer Architecture
- CS251 Data Structures & Algorithms
- CS252 Systems Programming
- CS307 Software Engineering
- MA161 Calculus I
- MA162 Calculus II
- MA261 Multivariate Calculus
- MA265 Linear Algebra

### Current Coursework

- CS354 Operating Systems
- CS408 Software Testing
- STAT350 Intro to Statistics

Semester Honors: Fall 2016

Purdue University

## Experience

### SinoVision

Technology Intern

Flushing, NY

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

### Purdue University

Undergraduate Teaching Assistant

West Lafayette, IN

Fall 2016

- CS180 - Problem Solving and Object-Oriented Programming
- Held office hours to assist students on course projects and homework.
- Assisted students in live coding sessions at recitation and lab.
- Graded labs and assignments.

## Projects

### Web Quest: CS252 Project

Node.js/Socket.io

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

### Froomie!: CS307 Project

React/Meteor

- Collaborative roommate-matching/social media web app

### Shell: CS252 Project

C/C++

- Interactive UNIX shell built with lex and yacc

### Jsonify: Individual Project

React

- JSON file generator web app built with the React framework

### TeaStar: Client Project

HTML5/CSS3/JS

- E-Commerce/Product catalog website showcasing tea products

### IO Laser Pointer: Purdue Hackers Project

C++

- Computer-controlled laser pointer using servo motors and Raspberry Pi.

## Skills

Languages: Java, C, C++, Python, R, JavaScript, HTML5, CSS3

Tools: UNIX, React, Meteor, MongoDB, AngularJS, Node.js, Phaser, Socket.io, Git, Bash, Valgrind, SQL,  $\text{\LaTeX}$ , AutoDesk Maya

## Extra-curricular Activities

### Purdue Hackers Club: Hacker

Purdue University

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

### Purdue iOS Development Club: Developer

Purdue University

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

### iDTech Summer Camp: Student

Vassar College

- Created 3D models and animations using AutoDesk Maya

### YAB Summer Business Camp

Columbia University

Team CFO

Summer 2014

- Managed all financial concerns for team company and developed effective strategies to determine the optimal price point for M&A.