

# Danny Zou | Software Engineer

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## Education

### Purdue University

*Bachelor of Science, Computer Science*

**Expected Graduation: December 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
- CS354 Operating Systems
- CS373 Data Mining & Machine Learning
- CS390 Virtual Reality Applications
- CS407 Senior Project
- CS408 Software Testing
- CS448 Relational Database Systems
- MA161 Calculus I
- MA162 Calculus II
- MA261 Multivariate Calculus
- MA265 Linear Algebra
- 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

**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

**Jsonify:** Individual Project

*React*

- JSON file generator web app built with the React framework

## Skills

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

**Tools:** UNIX, Git, Bash, React, Meteor, MongoDB, AngularJS, Node.js, Phaser, Socket.io, Valgrind, SQL, L<sup>A</sup>T<sub>E</sub>X, AutoDesk Maya

## Extra-curricular Activities / Leadership

**Purdue Hackers Club:** Hacker

*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.

**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.