

Danny Zou | Software Engineer

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Education

Purdue University

Bachelor of Science, Computer Science

Class of 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, Fall 2019

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, Swift, JavaScript, HTML5, CSS3

Tools: UNIX, Git, Bash, Node.js, React, AngularJS, Meteor, MongoDB, Phaser, Socket.io, p5.js, Valgrind, SQL, \LaTeX , AutoDesk Maya, Unity, Unreal Engine 4, Xcode

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.