Danny Zou | Software Engineer

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Education

Purdue University   **Expected Graduation: May 2019**

Bachelor of Science, Computer Science

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
- CS408 Software Testing
- MA161 Calculus I
- MA162 Calculus II
- MA261 Multivariate Calculus
- MA265 Linear Algebra
- STAT350 Intro to Statistics

Current Coursework

- CS373 Data Mining & Machine Learning
- CS407 Senior Project

Semester Honors: Fall 2016   *Purdue University*

Experience

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

Purdue University   **West Lafayette, IN**

Undergraduate Teaching Assistant   *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, 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.