Zihao **Zhu**

ASPIRING SOFTWARE ENGINEER · STUDENT

6118 Willowridge St, San Antonio, TX 78249

(210) 998-9386 | zihaozhu@utexas.edu | www.zihaozhu.me | novsuszed | zihaozhu

Education

University of Texas at Austin   *Austin, Texas*

B.S. IN COMPUTER SCIENCE   *Aug. 2014 - PRESENT*

- Business Foundation Certificate
- Expected Graduation Date: May 2018
- Current GPA: 3.983

Experience

Intel   *Austin, Texas*

SOFTWARE ENGINEER INTERN (ATOM CPU INFRASTRUCTURE TEAM)   *May 2016 - Aug 2016*

- Implemented a tool to maintain the infrastructure of the design flow through analysis of aggregated data from databases, system log files and cloud services to ensure stability of project runs.
- Improved disk space management across the site through implementing tools that identify and remove redundant files through SQL queries (Freed 100+ terabytes of hidden disk space).
- Implemented various wrappers and cron jobs to assist in data collection and facilitated design flow submissions through means such as optimizing MYSQL queries and cloud service calls.

Personal Projects

MedApp

IN PROGRESS

- An android app designed to improve user experience with doctor visits and keeps patients on track. It provides information such as local hospitals and specialized clincs to users through the help of Google Map API. It also includes a reminder feature to alert users of medicine prescription times and future appointment times through use of phone's local calendar and SQLITE.
- Need to finish UI Design & put finishing touches on certain functionalities

Personal Financer

IN PROGRESS

- Python made application with Tkinter GUI that allows user to track specified market stocks and aggregate and analyze data through web crawling and the use of SQLAlchemy and CSV files.
- Need to implement MATLAB plots & statistical functions for analysis

Codeforces Categorizer

- A Python web crawler that crawls through the online judge competition website for the list of questions and stores the links, the difficulties and the question types in SQLITE databases. A simple GUI was made through Tkinter that can display a list of potential questions that haven't been attempted, filtered by various options such as difficulties and problem type.

Extracurricular Activity

Association for Computing Machinery

MEMBER   *2015 - PRESENT*

- Participate in school wide coding competitions held by ACM.
- Discuss computer science academia.

Competitive Programming

PARTICIPANT   *2015 - PRESENT*

- Participate in bi-monthly coding competitions along with ones with Online Judges

Relevant Classes

- Previous: Data Structure, Discrete Math, Linear Alg, Computer Architecture, Intro Number Theory, Web development (PHP/MYSQL), Intro Probability and Statistics
- Current: Big Data (Hadoop & Spark), Algorithms and Complexity, Operating Systems, Applied Lin Alg.

Skills

- Programming Languages: Proficient: Java, Perl, MYSQL, Python; Exposure: C, PHP, HTML/CSS
- Interests: Table Tennis, Finance/Stocks, Data Science, Ultimate Frisbee, Rock climbing