

# Zihao Zhu

ASPIRING SOFTWARE ENGINEER · STUDENT

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## 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 doctors to users given a specific distance through the help of Google Map API and 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. 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; Exposure: Python, C, PHP, HTML/CSS
- Interests: Table Tennis, Finance/Stocks, Data Science, Ultimate Frisbee