

# Churong Zhang

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5009 Sundown Dr. Plano, Texas 75023

## OBJECTIVE

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To obtain 2020 summer internship in computer science or related fields.

## EDUCATION

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B.S/ M.S in **Computer Science**, The University of Texas at Dallas, Richardson, TX August 2018 – May 2021

- GPA 3.6
- Fast Track Program: expected to receive CS master's degree within one year after B.S Degree

## SKILLS

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**Technical Skills:** Java, Python, C++, Swift, IOS Mobile app, Apache Jmeter, Apache Maven, Logstash, MIPS, Elasticsearch, Kibana, Kafka, Linux Terminal, Databases, Data Structures, Algorithms, and shell script.

**Operating System:** Windows, Linux, Mac OS

**Personal Website:** <https://czhang1997.github.io/>

## Experience

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**Software Engineer Intern - TouchPal Inc at Santa Clara, CA 95054.** May 2019 – July 2019

- Worked on the architecture of the data pipeline for a large volume content system
- Improved the model's recognition by 12% by using **Python** in transforming NLP data collected from the Internet into model-compatible data
- Built a platform that use **Apache Jmeter** for Stress Testing on the Linux Server using **Python** and **Shell Script**
- Use **Logstash** to import daily logs from **Kafka** and export it to **Elasticsearch** then visualized it in **Kibana**

**Instructor - Center for Computer Science Education & Outreach, UTD** February 2019 – May 2019

- Worked as an instructor to teach over 20 middle school students of basics programming by using kids friendly programming tool like Alice to K-12.

## PROJECTS

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### UTD Course Book (Web Crawler)

- Use Http Client to get information from UTD Course Book and Rate My Professor in **Java**
- Input course number and term, then the program will collect data and display the results
- Results will show course name, number, time, location, Instructor name and the overall score if it exists

### IOS Currency App

- IOS application made for world travelers which provide real time exchange rate for 166 currencies
- For travelers in U.S, user can convert US Dollar to the currency they want including the sale tax base on the city they input.
- App language change based on the phone's system language.

## COURSE PROJECTS

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**MST: (Java)** Find the Minimum Spanning Tree using the Prim Algorithms and Kruskal Algorithms

**PERT: (Java)** Implemented graph algorithm Program Evaluation and Review Technique

**UNO: (MIPS)** Developed the card game UNO using assembly language MIPS

**SkipList: (Java)** Designed a data structure base on the theory of SkipList

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