

XXXXXXXXXX

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EDUCATION

University of Illinois Urbana-Champaign
M.S in Computer Science (Dec 2019)

B.S in Computer Science & Statistics (May 2018) CS Tech GPA: x.xx / 4.0 Overall GPA:x.xx / 4.0 Dean's List (2015, 2016)
Related Coursework: Operating System, Computer Networks, Algorithms, Database Systems, Computer Architecture

WORK EXPERIENCES

Dropbox, Inc (This is a placeholder for an upcoming internship)

May 2019 to Aug 2019

Software Engineering Intern | Payment Team

- Product: Dropbox, a desktop file syncing software and a core product at Dropbox.
- Placeholder, say what you did in the internship, with what tech stack, maybe even what you learned there
- Placeholder, talk about the impact of what you made, for example, does it scale something up by xx%, increase performance by %, or your features are shipped and used by millions of users and receive great feedbacks and etc.

Citrix Systems, Inc

June 2018 to Aug 2018

Software Engineering Intern | High-Definition User Experience Team (Intern Presentation slides: <https://goo.gl/cSxYkB>)

- Product: XenDesktop, a desktop virtualization software and a core product at Citrix Systems.
- Windows application level, kernel level, and multi-threaded network programming in C++.
- Redesign network file system driver syncing mechanism and implement a block-level sync algorithm which **speeds up directory syncing by 200%**, greatly improving performance and user experience under high latency.

Umiuni, Ltd

Dec 2017 to May 2019

Software Engineer (Web Development)

- Umiuni is an online second-hand market website founded by an UIUC alumni and has thousands of monthly active student users in UIUC, NYU and the Bay Area (Website URL: <https://www.umiuni.com/>).
- Design and implement the homepage for listing second-hand goods, promotional ads from local stores/restaurants with **React JS, Redux, Axios, JQuery and Bootstrap**.
- Built **NoSQL** database(MongoDB) for storing second-hand goods postings, promotional ads and user profiles data.
- Create RESTful APIs which handle requests for second-hand goods data from the browser, Android and iOS app, using Node JS and Passport JS. Create and setup Docker containers to smooth code production.

University of Illinois at Urbana-Champaign

Aug 2017 to Dec 2017

Course Assistant (Intro to Computer Science)

- Host office hours to help hundreds of students with conceptual questions on **Java**, algorithms and debugging.
- Passionate about teaching problem solving skills. Capable of explaining complex concepts in simple terms.

SIDE PROJECTS

eduOS (Open Source Project, github: <https://github.com/szhou42/osdev>)

June 2016 – Nov 2017

- An open source educational operating system written from scratch in C and assembly. Starred and forked by hundreds of students.
- Support virtual memory, multitasking, ext2 filesystem, networking, and graphical user interface.
- Implement a memory allocation algorithm with performance comparable to Linux's counterpart by implementing the Boundary Tags memory allocation algorithm and optimizing on memory fragmentation.
- Design and implement an original Graphical User Interface system that achieves **an average of 35 fps** with an optimized version of Painter's algorithm.

SpentViz (Group Project, github: <https://github.com/szhou42/Spentviz>)

Aug 2018 to Dec 2018

- SpentViz is a web-based dashboard that tracks your daily spending and provide insights and data visualizations to help you understand your spending patterns.
- Design and implement a dashboard that visualize spending with bar charts, pie charts with React, Axios and Bootstrap.
- Design NoSql(MongoDB) database schemas and implement Restful API end points for retrieving spending history data.

ACTIVITIES & AWARDS

Kaggle Machine Learning Competition: Predict Future Sales (ranking top 1.5%, 11 / 750)

Departmental Honors: High Distinction STAT/CS, Dean's List (2015, 2016)

SKILLS

Java, Python, C/C++, JavaScript, HTML/CSS, System Programming, Docker, GIT, Node JS, React JS, MongoDB, MySQL, AWS