

David H. Liu

liu00david@gmail.com | Champaign, IL

EDUCATION

The University of Chicago

B.S. Computer Science, B.A. Economics

- GPA: 3.4/4.0
- Specialization in Human Computer Interaction and Research

Stuyvesant High School

High School Diploma, with Honors

Chicago, IL

Sep 2018 - Jun 2022

New York, NY

Sep 2014 - Jun 2018

EXPERIENCE

Yahoo

Software Engineer

Champaign, IL

Aug 2022 - Present

- Develop and innovate tools as part of the Data Systems Production Engineering team
- Architect containerized applications using Kubernetes and Docker in advance to cloud migration
- Integrate projects using Yahoo techstacks and CI/CD tools, including Hadoop Oozie and Screwdriver
- Handle and resolve routine on-call issues by collaborating with teams and downstream customers

The University of Chicago

Teaching Assistant

Chicago, IL

Sep 2021 - Jun 2022

- Intro to Computer Human Interaction, Usable Security and Privacy, Inclusive Technology
- Assisted Prof. Lopes and Prof. Chetty with instruction and collaborative HCI development

Yahoo

Software Engineer Intern

Champaign, IL

Jun 2021 - Sep 2021

- Built a calculation tool to track and predict Yahoo's Grid database operational usage and cost
- Developed a React-Flask UI to monitor Apache Storm stream activity and ensure SLAs

Everight Learning

Head Teacher, Recruiter

New York, NY

Sep 2020 - Jun 2021

- Taught Python and Scratch programming to middle school students; recruited and trained new hires

GetLinks

Corporate Strategy and Development Analyst Intern

Chicago, IL

Jun 2020 - Nov 2020

- Conducted research and data analysis on financial and labor statistics for countries in SEA

PROJECTS

EZUrl

- Developed a web application that generates easy to remember and customized URLs
- Utilized MongoDB for URL storage, Python Flask backend, and React frontend

Valorant Experience Bot

- Implemented a Python CLI tool that automatically plays a videogame to gain experience points
- Designed additional features such as progress bars, bot performance summaries, and in-game timers

LEADERSHIP/ACTIVITIES

Chinese Undergraduate Student Association

- President for two years in charge of organizing events focused on Chinese and AAPI culture
- Organized annual university-wide cultural shows, incorporating multiple performance groups

The Intercollegiate Finance Journal

- Composed editorials to a monthly journal relating to economics, technology and entrepreneurship

SKILLS

- Technical languages: Python, Bash, Javascript, SQL, C
- Frameworks and Systems: Apache Hadoop & Oozie, AWS, GCP, Kubernetes, Docker, React
- Hobbies: Events and Social Planning, Mechanical Keyboards, Food Science, Texas Hold-em