

Christopher Walker

5335 S Kimbark Ave | Chicago, IL 60615 | (646) 531-4191 | cnwalker@uchicago.edu

GitHub: <https://github.com/cnwalker> | Website: cnwalker.github.io

Education

University of Chicago

Chicago, IL | September 2014 – June 2018

- B.S. Computer Science and B.A. Physics
- University Scholar (\$30,000/year merit scholarship).
- Google Games Chicago 2nd place team (out of 42 teams)
- ACM ICPC UChicago Qualifier 2nd place team (out of 7 teams) – advancing to regionals

Ethical Culture Fieldston School

New York, NY | September 2010 – June 2014

- Student Body President and Cross Country Team Captain.

Experience

Box

Redwood City, CA

Software Engineering Intern

June 2017 - Present

- Implemented feature for load balancer allowing engineers to configure the maximum amount of concurrent TCP connections on their services
- Added overview page and endpoint to upstream dashboard for the Kubernetes project, providing visualizations for all cluster resources. Overview was made the default page by maintainers
- Deploying heapster to automatically scale cluster workloads based on CPU and memory usage

Neubauer Collegium for Culture and Society

Chicago, IL

Junior Machine Learning Developer

April – June 2017

- Implementing online exhibit to allow users to explore image-trained DCGAN vector spaces
- Created multithreaded tool to efficiently download images for training models

Eventbrite

San Francisco, CA

Software Engineering Intern

June – August 2016

- Built tool which took switching A/B test enrollments from an ops-only task requiring more than a day to a task all engineers can complete in a few seconds
- Designed and implemented automatic visualizations for A/B testing data, allowing engineers and the data analytics team to look for trends in real time
- Added step chart to Britecharts, an open charting library w/ over 2500 stars and 23 contributors

FLASH Center for Computational Science

Chicago, IL

Software Engineer and Research Assistant

January 2016 - Present

- Developed FLASH Interface, a desktop GUI for the FLASH computational physics codebase
- Adding support for the hall effect in the magnetohydrodynamics (charged fluids) solver

Projects

Employable Virtual Mentor

December 2016 – Present

- Lead group of 15 other students to build a virtual mentor app for students with disabilities
- Together we implemented a cross-platform mobile app, recommendations algorithm, accounts, data-driven career suggestions, full-text search, bookmarks, and encryption of user information

Open Macro

March – May 2015

- Open source economic modelling platform built for the 2015 UChicago App Challenge. Team won the \$10,000 first place prize. Used by the International Monetary Fund (IMF)

Skills

Main languages: Python, JavaScript, C, C++, Go, HTML/CSS | **Familiar languages:** Java, SQL, SML