

# Christopher Walker

5500 S University Ave | Chicago, IL 60637 | (646) - 531 - 4191 | cnwalker@uchicago.edu

GitHub: <https://github.com/cnwalker> | Website: [cnwalker.github.io](http://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).

### 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

- Working on Skynet team, which manages load balancing, scheduling, service discovery, and monitoring. Primarily working with Kubernetes, Docker, and Golang.

### 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 visualization tool 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 source charting library made in d3.js

### Neubauer Collegium for Culture and Society

Chicago, IL

*Junior Machine Learning Developer*

April 2017 - Present

- Implementing online exhibit to allow users to explore image-trained DCGAN vector spaces
- Created multithreaded image download tool, allowing for efficient generation of large training datasets

### 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 (MHD) solver

## Projects

### Employable Virtual Mentor

December 2016 – Present

- Lead group of 15 other students to build a virtual mentor app for students with disabilities. Project requested by the *Bridges from School to Work* program which is funded by Marriott.

### 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. Currently in use by the International Monetary Fund (IMF).

## Awards

- Google Games Chicago 2<sup>nd</sup> place team (out of 42 teams)
- ACM ICPC UChicago Qualifier 2<sup>nd</sup> place team (out of 7 teams) – advancing to regionals

## Skills

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