

# Christopher Walker

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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

### 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 internal visualization library with D3.js

### 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

### Human Practice, Inc.

Chicago, IL

*Software Development Intern*

June - September 2015

- Transformed messaging experience in medical app by implementing incremental loading – greatly reducing rendering times and visual hiccups for conversations with many messages.
- Constructed custom merge behavior for database records, eliminating unwanted overwrites of data on the user's device during synchronization with the server.

## Activities

### UChicago TechTeam

September 2014 – Present

*Team Leader*

- Leading group of 15 other students to build a virtual mentor app for students with disabilities. Project requested by the *Bridges to Work* program which is funded by Marriott (2017).
- Worked on search component of interactive resource map for Chicago Public Schools (2016).

## Projects

### 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).

### Myo Snake

February 2016

- Generates snake game boards from images using shadow recognition. Team won "Best new hackers" for the project at HackIllinois 2016.

## Skills and Interests

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

**Technologies and Frameworks:** Django, React, React Native, Electron, Ember, Arduino