Christopher Walker

5500 S University Ave | Chicago, IL 60637 | (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).
- Relevant coursework: Networks and Distributed Systems, Statistical Models and Methods

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
- Designed and implemented automatic visualization and metric calculation tool for A/B testing data, allowing engineers and the data analytics team to look for trends in real time.
- Built tool to alter experiment lanes controlling which subsets of the user base get enrolled in A/B tests. This tool changed switching experiment lanes from an ops-only task that often took over a day into a simple task that all engineers can complete in only a few seconds.

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.
- Discovered Mac OSX compatibility bugs after running 2D core-collapse supernova simulations.

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, C, C++, JavaScript, Go, HTML/CSS
Interests: Biking, running, law/debate, hackathons, gaming, competitive programming, outer space