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
High School   2010 – 2014

- Student Body President and Cross Country Team Captain.

Experience

Eventbrite   San Francisco, CA
Software Engineering Intern   June – August 2016

- Devised 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.
- Strengthened internal graphing library by adding step chart, updating tests, and improving documentation.
- Built tool to alter experiment lanes which control 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

- Originated and developed FLASH Interface, a graphical interface for the FLASH computational physics codebase. FLASH interface simplifies the simulation process by allowing users to manage parameter and configuration files without using the command line.
- Identified multiple Mac OSX compatibility bugs in the FLASH code after running a series of two-dimensional core collapse supernova simulations.

Human Practice, Inc.   Chicago, IL
Software Development Intern   June - September 2015

- Transformed messaging experience in encrypted medical app by implementing incremental loading – greatly reducing load 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.

University of Chicago IT Services   Chicago, IL
2015 App Challenge Software Development Intern   March – May 2015

- Won the $10,000 first place prize for Open Macro, an open source economic modelling platform currently in use by the International Monetary fund.
- Wrote a system to read and write thousands of configuration files asynchronously. Also implemented visualizations for simulations, including a feature to overlay distinct datasets on the same graph.

Skills

Main languages: Python, JavaScript, C/C++, HTML/CSS | Familiar languages: Java, Objective C, R.
Visit cnwalker.github.io for links to projects and more information.