Christopher Walker

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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, Captain of cross country team, National Achievement Scholarship finalist.

Experience

Eventbrite   San Francisco, CA
Software Engineering Intern   June – August 2016
- Wrote API endpoint to get A/B testing experiment data from Eventbrite's fraud and spam engine and used that endpoint to visualize A/B testing data in real-time.
- Added a step chart to an internal graphing library to support visualizations without increasing dependency bloat.
- Created tool to alter A/B testing experiment lanes which control which subsets of the user base get enrolled in A/B tests. 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
- Created FLASH Interface, a graphical interface for the FLASH computational physics codebase, allowing users manage parameter and configuration files without using the command line.
- Identified a few 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
- Implemented incremental loading for encrypted medical app drastically reducing visual hiccups for conversations with more than 200 messages.
- Created custom merge behavior for database records and added customer support system with the freshdesk SDK. Also used regular expressions to remove floor and suite numbers so that doctor's offices could be searched properly via google maps.

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 and 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.