Christopher Walker

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GitHub: https://github.com/cnwalker | Website: cnwalker.github.io

Education

University of Chicago   Chicago, IL | 2014 – June 2018
- B.S. Computer Science & B.A. Physics
- University Scholar ($30,000/year merit scholarship).
- Relevant coursework: Networks and Distributed Systems, Intermediate Mechanics, Statistical Models and Methods, Electronics, Electricity and Magnetism, Introduction to Computer Systems

Ethical Culture Fieldston School   New York, NY
High School   2010 – 2014
- Student Body President, Cross-country Team Captain, National Achievement Scholarship finalist.

Experience

Eventbrite   San Francisco, CA
Software Engineer Intern   June 2016
- Created test plan, requirements, and designs for automated A/B testing analysis tool. Currently working on implementation.
- Fixed issue where event descriptions failed to load if the description only contained an image

FLASH Center for Computational Science   Chicago, IL
Software Engineer and Research Assistant   January 2016
- Creating graphical interface for FLASH computational physics codebase, allowing users to configure and run physics simulations 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 and infinite scrolling for encrypted messaging system in medical app.
- Improved load times for entering a conversation from $O(n)$ to $O(1)$, drastically reducing visual hiccups for conversations with more than 200 messages.
- Implemented address grooming for office search and custom merge behavior for database records. Added customer support system to the app with Apache Cordova and Objective C.

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 scheduled for use and distribution by the International Monetary fund.
- Created asynchronous file reading and writing system for managing thousands of files with Node.js, allowing the user to easily run economic models.
- Implemented graphing for simulations with C3 (D3 extension), including feature to overlay disparate datasets on the same graph.

Skills

Main languages: Python, C, C++, JavaScript, HTML/CSS | Familiar languages: Java, Objective C, R.
Frameworks & Databases: Django, Angular, Ember, Cordova, Arduino, Node.js, MongoDB, FLASH, MESA.
Visit cnwalker.github.io for links to projects and more information.