

Christopher Walker

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GitHub: <https://github.com/cnwalker> | Website: www.cnwalker.xyz

Education

University of Chicago

Chicago, IL | 2014 – Present

- Bachelor of Sciences, Computer Science & Physics expected June 2018.
- University Scholar (\$30,000/year merit scholarship).

Ethical Culture Fieldston School

New York, NY

High School

2010 – 2014

- President of the Student Body, Captain of Cross-country team, National Achievement Scholarship finalist.

Experience

Human Practice, Inc.

Chicago, IL

Software Development Intern

June - September 2015

- Implemented incremental loading and infinite scrolling for encrypted HIPPA compliant messaging system in medical app. Improved load times for entering a conversation from $O(n)$ to $O(1)$ time.
- Implemented address grooming for office search and custom merge behavior for database records. Added customer support system to app with Apache Cordova and Objective C.

University of Chicago IT Services

Chicago, IL

2015 App Challenge Software Development Intern

March – May 2015

- Team developed Open Macro, an open source platform for economists in developing countries as part of the UChicago App Challenge.
- Our team won the \$10,000 first place prize, and the project is 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 with Dynare/Octave.
- Implemented graphing for simulations with C3 (D3 extension), including feature to overlay disparate datasets on the same graph.

Bill Thompson for Mayor of New York City

New York, NY

Programming and Speech-Writing Intern

Summer 2013

- Analyzed election records with Python to discover \$250,000 of potential slush fund donations
- Scraped opponent Bill de Blasio's statements thereby cutting time for the data gathering task from a few weeks to a few minutes.
- Edited speeches, wrote press briefs, posted social media statuses, and helped organize events.

Skills

Main languages: Python, JavaScript, C, HTML/CSS.

Familiar languages: Objective C, Java.

Version Control: Git, Subversion.