

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 High School

New York, NY
2010 – 2014

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

Experience

University of Chicago College Housing Residential Computing Assistant

Chicago, IL
October 2015

- Hold lobby weekly tech support lobby hours for dorm (~200 students).
- Perform weekly computer lab checks, reimaging, hardware and software replacement, and manage submitting of work orders for IT Services across entire campus.
- Currently developing Twilio-based text-notification server to improve laundry and dining hall experience for residents.

Human Practice, Inc.

Software Development Intern

Chicago, IL
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 $O(1)$ time, 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

2015 App Challenge Software Development Intern

Chicago, IL
March – May 2015

- Our team won the \$10,000 first place prize for Open Macro, an open source platform for economists in developing countries. 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

Programming and Speech-Writing Intern

New York, NY
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: Java, Objective C, C++.

Frameworks: Django, Angular, Ember, Cordova, Arduino, Node.js.

Visit cnwalker.xyz for links to projects and more information.