

Noah Banholzer

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Experience

University of Chicago Department of Linguistics

HYDE PARK, IL

Computational Linguistics Researcher

Dec '16 – present

Developing co-learning algorithms under Professor John Goldsmith. Uses spectral graph theory to find nearest word neighbors and significant word groupings in natural languages.

Everyday Computing (UChicago STEM Education)

HYDE PARK, IL

Research Intern

June '17 – present

Creating a comprehensive computer science curriculum for elementary and middle school students. Analyzing large datasets from Code.org to determine barriers for success at an early age. Implementing accessible cultural aspects into education to promote participation of underrepresented minorities in computer science.

Upward Bound

HYDE PARK, IL

STEM Tutor

Nov '16 – present

Year-long tutoring program for students in neighborhood schools on the South side of Chicago. Extends access to quality education unavailable to an urban population.

MaroonStack

HYDE PARK, IL

Co-Founder & Web Developer

May '17 – present

Web development company that provides cheap, reliable websites to local businesses. Involves UI/UX design and implementation.

Uncommon Hacks

HYDE PARK, IL

Developer

Jan '17

Created a large meme database with MySQL and Node.js. Utilized user preferences to curate a meme selection.

Oak Park Education Foundation

OAK PARK, IL

Summer Educator

June '14 – August '16

Taught summer education courses in C, C++, and Scratch. Managed workshops to teach skills to other mentors.

Hauser Junior High Robotics

RIVERSIDE, IL

Founder & Mentor

Jun '16 – Aug '16

Worked with students to create a Vex program. Coached students in engineering and programming.

Education

University of Chicago

HYDE PARK, IL

Bachelor degree in Computer Science & Mathematics

June 2020

Notable Coursework: Intro to Computer Systems, Honors Intro to Computer Science

GPA: 3.672

Oak Park and River Forest High School

OAK PARK, IL

2012 – 2016

Technical Expertise

Languages (by familiarity): Python, C, C++, Haskell, Rust, Java, R

Web Technologies: HTML+CSS, JavaScript, Elm, Flask, Django

Libraries: Bootstrap, jQuery, React, numpy, scipy

Web Design: www.nbanholzer.me, www.maroonstack.com

Interests

- Functional Programming
- Linguistics
- Art
- Project Euler