

Zephaniah Roe

Oak Park, Illinois | zroe@uchicago.edu | github.com/zroe1

EDUCATION

The University of Chicago, Chicago, IL

Bachelor of Science in Computer Science. Expected, June 2026

GPA: 3.85 / 4.0

Oak Park and River Forest High School, Oak Park, Illinois

Diploma, May, 2022

GPA: 4.94 (weighted), 3.98 (unweighted)

Honors: Outstanding Senior in Latin (awarded by faculty to top senior Latin student, 2022), Cum Laude Society (2022), AP Scholar (2021) and AP Scholar with Distinction (2022)

EXPERIENCE

Park District of Oak Park, Oak Park, Illinois

Site Supervisor: Camp Spark Extended (June to August 2022)

- Oversaw 48 children ages 5-10 and a staff of five
- Planned activities, led games and created daily schedules for staff
- Handled management tasks such as overseeing spending, completing staff evaluations and sending camp-wide emails

Camp Anokijig, Plymouth, Wisconsin

Camp Counselor (Sleepaway): (June and July 2019 and June to August 2021)

- Volunteered four weeks in 2019 and four weeks in 2021 for a total of 600 volunteer hours
- Led activities in archery, boating, riflery, music education and STEM education

PROGRAMMING

- Languages and technologies
 - Advanced: Python, C, HTML, CSS
 - Intermediate: Rust, JavaScript
- Web frameworks: React, Next.js, React Three Fiber, Angular, Dash
- Machine Learning: Experience working with RNNs, CNNs, and other common architectures in Tensorflow
- Projects (full collection of my projects can be found on [my github](https://github.com/zroe1)):
 - [tinyfilter](#): developed a Python package that converts images into ASCII art using convolution
 - [2048 in python](#): recreated the popular game 2048 and wrote an algorithm to beat it with a ~30% win-rate
 - zephaniahdev.com: my portfolio website, created with React and Three.js
 - [C vs Rust sorting](#): implemented various sorting algorithms and graphed their performance in C and Rust
- Relevant coursework: [MIT 6.S191](#), AI Safety Fundamentals Alignment Course (currently in progress), Systems Programming I, Introduction to Computer Science I & II

ACTIVITIES

University of Chicago Effective Altruism Leadership Board

Board Member (April 2023 to present)

- Assisted in organizing events, red teaming, and planning for future programs and initiatives.

Oak Park and River Forest High School Varsity Vex Robotics

Varsity Member (2017 to 2022)

- Three tournament championships and three state qualifications
- Head coach of junior varsity team (2022)

Other UChicago Activities: Tech Team, Boxing Club, Effective Altruism Intro-fellowship

Other Interests: Classical Latin prose and poetry, philosophy, AI research, balloon twisting