Zephaniah Roe

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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
  - Languages: Python, C, Rust, HTML, CSS
  - Web frameworks: React, Next.js, React Three Fiber, Angular, Dash
  - Machine Learning: Experience working with RNNs, CNNs, and other architectures in Tensorflow
- Projects (full collection of my projects can be found on my github):
  - tinyfilter: a Python package that converts images into ASCII art using convolution
  - zephaniahdev.com: my portfolio website, created with React and Three.js
  - zephaniahsdata.com: a website for tracking my productivity using React and Next.js
  - Neural network from scratch: a fully-functional neural network implemented in C
  - 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 (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