

Micah Thompkins

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EDUCATION

Northwestern University, Evanston, Illinois

Bachelor of Science in *Computer Science*

Anticipated 6/21

Relevant Courses: Data Structures, Artificial Intelligence, Software Construction, Computer Networking, Operating Systems, Computer Systems, Design and Analysis of Algorithms, Scalable Software Architecture, Databases, Computer Security

Languages: Java, Python, HTML and CSS, JavaScript, React, git, PostgreSQL, C++, Flask, Node.js, Swift, iOS Development

WORK AND RELEVANT EXPERIENCE

Personal Website, Independent Project

11/20 – Present

- Created from scratch a website, practicing with React, HTML, CSS, and gaining experience in website publishing.
- Deployed a full stack network scanner application to website using React, Python, and the Flask framework.

Scalable Software Architecture Course, Northwestern University, Evanston, Illinois

1/21 – 3/21

- Built a news search engine using AWS services, Common Crawl web scraper, Java, and React.
- Utilized Elasticsearch to host documents, implemented a RESTful API for queries, and built a frontend to show results.
- Created software architecture design documents for two other projects explaining how to build a tinyurl clone and a social media service in a scalable fashion.

Personal Care Assistant, Public Partnerships, Saint Ann, Missouri

4/20 – 9/20

- Cared for a 14-year-old with cerebral palsy on a daily basis by dressing him, feeding him, changing diapers, and administering his medication as a home healthcare worker.
- Assisted him in use of assistive technology for communication, independence, and entertainment purposes.

Software Construction Course, Northwestern University, Evanston, Illinois

9/19 – 12/19

- Coded from the ground up a Tournament Administrator for *Go* in Python, using modular programming to build everything from the stones to the remote tournament administrator, which allowed for scalable growth.
- Organized the timely completion of assignments and motivated team to finish assignments early.
- Performed code walks throughout the quarter, explaining and defending the code before a final presentation.

Helpdesk, Weinberg College IT, Northwestern University, Evanston, Illinois

3/18 – 9/19

- Managed a ticket queue of up to 20-30 computer problems per week for professors and staff across the university.
- Operated the helpdesk phoneline, solving urgent issues over the phone or directing to appropriate colleague.
- Solved issues for frustrated clients, while balancing urgency of issues and managing expectations.

Wheelchair Ramp Project Lead, Workday Ministry, St. Louis, Missouri

6/18 – 9/18

- Designed and built wheelchair ramps including one that had to connect a house to an elevated parking patio.
- Instructed groups of up to 20 volunteers a day on how to build ramps, overseeing supplies and logistics for each day.
- Facilitated group discussions about the racial and socioeconomic issues of St. Louis with residents and volunteers.

Developer, Capstone App Development, Pattonville High School, Maryland Heights, Missouri

6/16 – 7/17

- With Agile development practices, worked on a team of 4 to create a mobile app centralizing the district's resources.
 - Led presentations to the Board of Education, National Project Lead the Way conference, and the schools community.
 - Organized the documentation process that ensured the application could be maintained by others in the future.
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LEADERSHIP

Northwestern University Men's Ultimate Team, Captain and Fundraising Chair

12/17 – 8/20

- Led the team by creating practice plans, implementing season wide strategy, recruiting new members, teaching new skills, and directing the team at practice and tournaments.
- Raised \$12,000 over two years to increase financial accessibility for students from lower income backgrounds.

CATalyst, Facilitator, Northwestern University

3/18 – 8/20

- Guided a group of 6-8 first-year students through discussions about identity saliency and exercises to increase self-awareness as the students began college experiences.
- Presented activities to up to 100 students to help create community and introduce topics before small group breakouts.