William Barron Software Engineer



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EDUCATION

NORTHWESTERN UNIVERSITY, Evanston, IL

Bachelor of Sciences, Computer Science, June 2024

Honors: Dean's List (Fall 2017)

Clubs: Residence Hall Association (President), Mar 2018 - Dec 2018

Programming Languages



TECHNICAL PROFICIENCIES

- Clean, efficient, scalable, and readable code practices
- Agile development methodology and iterative design such as Scrum
- APIs to facilitate communication between front-end interfaces and back-end services
- Cloud services such as Azure AI Services and Azure Language Studio
- Front-end interface design, including exceptional experience with CSS
- Database best practices
- Version control
- LLMs and generative AI such as ChatGPT and Codeium
- Soft skills: Teamwork, Communication, Empathy, Passion, Innovation
- Continuously expanding my professional skill set with learning tools such as Microsoft Credentials (profile).

PROFESSIONAL EXPERIENCE

NORTHWESTERN UNIVERSITY, Evanston, IL

Peer Mentor, September 2018 - June 2019

- Helped students fully grasp essential programming basics (i.e. functions, loops, recursion, pointers, and OOP) through verbal explanation and Racket/C++ code examples at weekly office hours and weekly supplementary lectures
- Explained and taught students how to debug programs in an organized manner in order to quickly identify and correct bugs

INTERESTS

My multidisciplinary background has ignited a passion for a variety of programming areas: Front-end interfaces, back-end technologies, AI engineering, data management and engineering, software development, app development, and cloud services. As a team player, I appreciate an environment in which I interact with other passionate and driven individuals to build innovative solutions.