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

C · C++ · C# · Java · Perl · SQL · T-SQL · JavaScript · CSS · HTML5 · Common Lisp

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

Credentials and Interests

- ❖ Build a natural language processing solution with Azure AI Language - Microsoft Learn, July 2024

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.