William Barron
Software Engineer

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PROFESSIONAL SUMMARY

I am a recent Computer Science graduate with a robust foundation in **AI engineering, machine learning, object-oriented programming, RESTful APIs, and UI/UX design**. Certified by Microsoft in AI fundamentals with hands-on experience in developing ML models and pipelines using Azure, I am passionate about leveraging emerging AI technologies and cloud services to create practical and innovative solutions for real-world challenges.

EDUCATION

NORTHWESTERN UNIVERSITY, Evanston, IL
Bachelor of Sciences, Computer Science, June 2024
Emphasis on AI Programming, Natural Language Processing, and Knowledge Representation
Honors: Dean's List (Fall 2017)
Clubs: Residence Hall Association (President), Mar 2018 - Dec 2018

PROFESSIONAL EXPERIENCE

NORTHWESTERN UNIVERSITY, Evanston, IL
Peer Mentor, September 2018 –June 2019

- Led instruction for 10 students per quarter in programming fundamentals using Racket and C++
- Organized and conducted weekly supplementary lectures and office hours to support student learning
- Guided students in utilizing the VS Code debugger to enhance efficiency in identifying bugs within C++ programs

CREDENTIALS

- ❖ Azure AI Fundamentals (AI-900) (947/1000) - Microsoft, July 2024
- ❖ Build a natural language processing solution with Azure AI Language - Microsoft, July 2024
- ❖ Create an intelligent document processing solution with Azure AI Document Intelligence - Microsoft, July 2024

TECHNICAL PROFICIENCIES

- ❖ **Languages**: C, C#, C++, Java, Ruby, Perl, T-SQL, HTML5, JavaScript, CSS, Common Lisp, Racket
- ❖ **Tools**: PyTorch, Microsoft Azure (Portal, Studio, SDKs), Docker, Postman, VMware, JupyterLab, Android Studio, Git/GitHub, MySQL, Inno Setup, ChatGPT, IntelliJ IDEA, VSCode
- ❖ Proficient in basic data analysis techniques and data visualization methods

METHODOLOGIES & PRACTICES

- ❖ Clean, efficient, and scalable coding practices with concise documentation
- ❖ Agile development methodology and iterative design such as Scrum
- ❖ Soft skills: *Teamwork, Communication, Empathy, Passion, Innovation*

PROJECTS

- Please visit my website for a detailed look at my projects.