

# William Barron

Software Engineer



23 Sullivans Landing, Missouri City, TX 77459



(832) 361 9133



nbarroncs@gmail.com



<https://noelbarroncs.com>



<https://github.com/chocolatevanille>

## PROFESSIONAL SUMMARY

Recent CS grad with a strong foundation in **AI engineering, machine learning, object-oriented programming, RESTful APIs, and front-end interface design**. Certified by Microsoft in NLP and AI document analysis, with hands-on experience developing machine learning models and pipelines with Azure. 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

- ❖ 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, Azure Studio, Azure SDKs, Docker, Postman, VMware, JupyterLab, Android Studio, Git/GitHub, MySQL, ChatGPT, IntelliJ IDEA, VSCode
- ❖ Proficient in basic data analysis techniques and data visualization methods

## METHODOLOGIES & PRACTICES

- ❖ Clean, efficient, and scalable coding practices
- ❖ 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.