

Myles Kaufman

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Summary

Versatile and driven software engineer with a passion for problem-solving and continuous learning. Experienced in tackling diverse projects and adopting new technologies, from optimizing GPU performance to building real-time web applications. Thrives in dynamic environments that encourage collaboration, innovation, and growth.

Professional Experience

Open Markets Initiative, Software Engineering Intern October 2022 - Present

- Leveraged DevOps practices, including automated cross-platform regression testing for the C# FIX (Financial Information eXchange) source generator, utilizing GitHub Actions.
- Enhanced FIXML specification normalization by fixing document component and field extraction processes.
- Developed Wireshark dissectors for binary exchange protocols, including models for extracting raw timestamps across multiple messages and converting them to UTC.
- Collaborated directly with the Director of Engineering to develop frameworks for financial application source generation.

Education

Loyola University Chicago, Bachelor of Computer Science, 3.31 GPA Graduation: May 2025

Technical Skills

Languages: Java (3 yrs), C# (3yrs), Python (2 yrs), Javascript (2yrs), C++ (2yrs), Lua (1yr)

Technologies: HTML, CSS, AWS EC2 and Route53, QuestDB, Wireshark, Android SDK

Project Experience

Real-Time Chat Web Application | Personal Project | [Link](#) November 2024

Frontend implemented with HTML/CSS/Javascript

Backend implemented with Node.js and Websockets running on AWS EC-2 instance.

Mininet Network Modeling | Independent Study | May 2025

Designed a Fat Tree and BCube network model on Linux VM to test bisection bandwidth.

Ethereum GPU Mining | Personal Project | March 2021 - September 2022

Optimized GPU performance by 39% to increase hash by 34% on assembled mining computers.

Activities

Clubs

Music Technology Club: Utilized digital audio workstations (DAWs) to mix original compositions and collaborate with student members.

Hobbies: Musical performance, cooking, motorsports, film, painting