

SUMMARY

Accomplished Full Stack Developer with two (2) years experience and a demonstrated history of designing, developing, and delivering mission-critical software solutions. Proficient in a wide range of technologies, including .NET Framework, .NET Core, C#, and front-end frameworks. Known for strong problem-solving skills, meticulous attention to detail, and a proactive approach to complex challenges. Thrives in fast-paced environments and continuously seeks opportunities for innovation.

TECHNICAL PROFICIENCIES

Programming Languages: C, C++, C#, Java, JavaScript, TypeScript, Python
Web Development: HTML, CSS/Sass, .NET, jQuery, React, Node.js, Angular
Other: MySQL, PostgreSQL, Pandas, Git, Unity, Unreal, Godot
Languages: English (fluent), Mandarin (fluent), Japanese (advanced), French (advanced)

PROFESSIONAL EXPERIENCE

Software Developer Aug '21 - Jun '23
Epic Systems Verona, WI

- Spearheaded bug fixes and feature enhancements for the oncology module, notably creating therapy plan notes functionality.
- Investigated and resolved up to 3 bugs per week, significantly improving software quality and stability.
- Achieved exceptional code quality, with less than 1 issue discovered per 1000 lines of code post-release.
- Tested code rigorously in peer reviews, with less than 2 important-to-fix issues on average found in subsequent rounds of QA and peer testing.
- Maintained a focus on security and accessibility, ensuring these considerations were integral to the development and testing of owned projects.
- Facilitated clear communication and collaboration among team members by leading small group stand-up meetings twice weekly.

Mathematics Teaching Assistant Aug '18 - May '21
Carnegie Mellon University Pittsburgh, PA

- Developed and delivered engaging instructional sessions to reinforce course material and elevate student comprehension.
- Collaborated closely with a team of Teaching Assistants (TAs) to strategize recitation sessions and quizzes.
- Garnered outstanding student reviews, consistently receiving ratings between 9.2 and 9.9 out of 10.
- Graded assignments/exams and provided constructive feedback to facilitate student improvement.
- Took on the role of the primary instructor for two weekly recitation sessions, fostering in-depth understanding of course concepts.
- Offered invaluable academic support during office hours, assisting numerous students in mastering mathematical concepts.

EDUCATION

Bachelor of Science in Mathematical Sciences May '21
Carnegie Mellon University Pittsburgh, PA

Concentration in Discrete Math and Logic
Minor in Computer Science

RESEARCH

Researcher at Financial Mathematics REU May '19 - Aug '19
University of Connecticut Storrs, CT

- Published research paper in "Involve, a Journal of Mathematics," effectively disseminating valuable findings to academic community.
- Developed Python and MATLAB programs to perform precise hedging calculations while enhancing market analysis and risk management.