

Dear Hiring Manager,

I am excited to apply for the opportunity to contribute to your organization in a role that combines analytical, technical, and collaborative expertise. My academic background in Economics and Computer Science, paired with professional experience in data-driven decision-making and technical implementation, has equipped me with the skills to analyze complex challenges and develop impactful solutions.

During my time at the University of Michigan, I developed a strong foundation in quantitative analysis, programming, and strategic thinking through coursework in econometrics, algorithms, and statistics. Professionally, I honed these skills as a Developer at Shade, where I:

- Enhanced backend systems by refactoring codebases, resulting in improved efficiency and reduced technical debt.
- Collaborated across teams to translate objectives into actionable strategies, ensuring alignment with organizational goals.
- Utilized tools such as Docker, Kubernetes, and cloud services to create scalable and reliable solutions.

These experiences have cultivated my ability to evaluate and implement strategic initiatives while balancing immediate priorities with long-term sustainability.

Additionally, I have demonstrated my capability to manage complex projects, such as building a browser-based chess application and creating a system to track inventory data using Python and SQL. These endeavors required critical problem-solving, attention to detail, and the ability to synthesize and present data effectively—skills that I believe are vital for success in roles that require technical and business acumen.

I am particularly drawn to opportunities that involve collaboration across disciplines, data analysis, and driving meaningful outcomes. My commitment to fostering communication, innovation, and excellence aligns with the culture of forward-thinking organizations that prioritize impactful results.

Thank you for considering my application. I would welcome the opportunity to further discuss how my skills and experiences align with the needs of your team.

Sincerely,
Sunny Liu