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Dear Symbotic Hiring Team,

I am excited to apply for the Back End Software Engineer Intern position at Symbotic this summer. I am a very motivated, result-driven, and curious third-year student studying Computer Engineering at **Syracuse University**. I am ready to apply the skills within my projects and coursework I've been honing to an industry engineering team. I have excelled in my engineering classes with a **3.98 core GPA** and have learned valuable programming and engineering skills such as **C++, Python, Linux, Docker, SQL, and multi-threaded programming**. Additionally, I have a strong passion for **AI-powered robotics**, which I was able to explore within my Intro to Artificial Intelligence class where I was able to learn the foundation and basics of AI. I learned real-world applications and was exposed to useful coding libraries such as **PyTorch**. This passion for AI solutions aligns strongly with Symbotic and I am excited to learn about their applications within automation and distributed systems.

I have very strong object-oriented programming experience starting with **JAVA** which I was able to expand into C++ and Python. I have familiarized myself with Linux and command-line tools within my Networking classes. My projects have taught me about source control using Github and **CI/CD pipelines**. Lastly, I have been able to utilize SQL databases and **containerized development**. My projects have shown and highlighted my technical and teamwork skills. For instance, I collaborated with a team to create a functional Java Web Server where we designed a **multi-threaded HTTPS server** in Java. I was able to integrate logging mechanisms for efficient monitoring and PHP for an intuitive front-end. Another very successful project I completed was my Wegmans Pathfinder which **won first overall and best accessibility project** at the 2024 Syracuse University Hackathon. We created a real-time **pathfinding tool using Python and SQLite** which used **multithreading and heuristics** to enhance performance. We targeted people with mobility restrictions to aid them when shopping. These projects highlight my strong teamwork abilities and my ability to apply my technical background to projects with real-world applications.

I am a strong fit for the Back End Software Engineer Intern position because of my strong background in engineering and team building experience. I would be an effective addition to the Symbotic team and I am curious to learn about the difference I can make at Symbotic within warehouse automation. I am eager for the opportunity to bring my technical and teamwork mindset to Symbotic's engineering team.

I would appreciate the opportunity to discuss how my skills align with your needs. Thank you for your time and consideration. I look forward to hearing from you!

Best Regards,

Nathan Czarnecki