

# CENGIZ OZEL

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To whom it may concern,

My name is Cengiz Ozel, and I am a recent graduate from the University of Rochester with a BS in Computer Science. I am writing this cover letter to express my interest in applying for the Software Engineer position at John Deere and contributing to the company mission of providing innovative products of superior quality and value that improve the lives of people who work in, and are served by, the green industry worldwide.

I started university as a Biomedical Engineering student and changed to Computer Science during the latter half of my sophomore year. I have been programming since high school and spent time outside of class learning new languages and software tools to improve my skills mainly for self-enrichment. The knowledge I had gained from this, combined with my hard work and dedication, made it possible for me to get my Bachelor of Science in CS within two and a half years after my change in majors.

I find coming up with solutions to problems in my daily life with software to be fascinating. For example, I taught myself Linux by writing scripts for Raspberry Pi projects such as setting up Pi-hole, Pwnagotchi, and making my printer wireless using CUPS. I am also deeply interested in artificial intelligence and have worked on several personal and course projects in AI. The most recent one I completed is where I used a student performance data set that comprises attributes that are factors that might potentially contribute to a student's grade quality to predict term grades using decision trees and backpropagation.

The only programming class I had taken in Biomedical Engineering was in MATLAB, and after my change in majors, I came back to work there as a teaching assistant. Shortly after switching to CS, I started working for the department as a teaching assistant in a Java course. During this time, I further improved my time management, organization, and communication skills.

Currently, I am doing summer research at the University of Rochester where we are building a computer vision pipeline to diagnose Parkinson's disease using webcam footage. Additionally, we are working on an AI chatbot agent for practicing medical conversations using GPT-3 as well as the MetaHuman framework in Unreal Engine 5. This research is another priceless opportunity where I get to work on projects and develop tools which can be used in real world applications.

I am confident I can bring all these skills to the workplace and participate in projects that aim at improving people's lives. I look forward to meeting with you to further discuss my qualifications in more detail.

Sincerely,  
Cengiz Ozel