

Luke Olsen

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Objective

- Gain exposure to study and design methods of software engineering
- To obtain a position post-graduation performing software engineering-related work

Education

Iowa State University | Ames, IA

Bachelor of Science in Software Engineering

Minor: Cybersecurity

GPA: 3.15 | Expected Graduation: May 2027

Professional Work Experience

PrISUm Solar Car | Ames, IA

Software Engineering Team Member | January 2024 – Present

- Developing embedded systems across boards for Iowa State's solar electric vehicle using custom libraries in C language
- Using chip schematics and manuals to study and become familiar with industry standards of tech
- Using Microchip Technology Inc. SAM C20/C21 Family Data Sheet to manipulate bits

Great Harvest Bread Company | Naperville, IL

Customer Service | September 2021 – January 2025

- Grew in customer service through personal interactions with customers
- Effectively communicated with colleagues during rush hours
- Worked long and early hours planning and leading Farmers Markets

Additional Work Experience

Maplebrook II Swim & Racquet Club | Naperville, IL | *Lifeguard* | April 2020 – August 2020

Relevant Skills

Development: C, C++, Java, Python, Meson, Verilog HDL

Platforms: GitHub, Git, Notepad++, Eclipse IDE, Visual Studio 2022, Visual Studio Code, Questa ModelSim, Quartus Prime Design Software

Environments: Windows, macOS

Relevant Project Experience

HAL (Horn and Lights) System fix for SAE Solar Car

Infotainment Interface transfer and implementation from P15 to P16 for SAE Solar Car

Relevant Classes:

SE 1850(Fall '23), COMS 2270(Spring '24), CPRE 2810(Fall '24), COMS 2280(Fall '24), CPRE 2880(Spring '25), CPRE 3100(Spring '25), SE 3190(Spring '25)

Activities

PrISUm Solar Car, Member | January 2024 – Present

Photo Club, Member | August 2023 – January 2024