# Aaron Jacobsen – (612) 816-3598 – aaron.david.jacobsen@gmail.com

## WORK EXPERIENCE

**Software Development Engineer II**                          **Feb 2025 – Present**
Amazon Web Services DirectConnect                               Minneapolis, MN
- Worked on the latest AWS services within AWS Direct Connect
- Owned building out three different services to suit customer needs
- Communicated globally across other teams and companies to complete project work
- Interned the summer of 2022 and 2023

**Software Development Engineer I**                          **Feb 2024 – Feb 2025**
Amazon Web Services DirectConnect                               Minneapolis, MN

## SIDE PROJECTS

**SSE Heads-Up-Display and Vehicle position tracking**

- Interfaced with driver controls to display real time data to the driver using RS232 and CAN-Bus
- Worked with an Arduino microcontroller
- Developed custom PCB

**SSE Power Distribution Module**

- PCB Design for high power distribution
- Programmed STM microcontroller for solid state switch control
- Data acquisition for all electrical systems on board

## ACTIVITIES

**SAE Super Mileage Systems Enterprise (SSE)**                          **Jan 2022 – Dec 2023**
COO, Lead Programmer, Welder, and Driver

## SKILLS AND TRAINING

- AWS
- Microcontrollers
- Circuit analysis
- Embedded Systems
- Version control in Git

- Unix CLI
- Languages: Java, C/C++, Python, JavaScript/TypeScript

## EDUCATION

**Bachelor of Science in Computer Engineering**                          **August 2020 – December 2023**
Michigan Technological University                               Houghton, MI
- GPA: 3.9/4.0
- Relevant courses: Electronics, Systems Programming, Hardware/Software integration, Algorithm Design and Analysis, Embedded Systems, Signals and Systems