Aaron J. Sletten

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EDUCATION

North Dakota State University   Fargo, ND

- B.S. in Computer Science
- Anticipated Graduation   Spring 2020
- **Achievements:** 3.8 GPA
- **Favorite Classes:** Algorithms and Data Structures, OS, Comparative Programming Languages

WORK EXPERIENCE

Appareo   Fargo, ND

Software Engineer Internship   May 2018-Present

- Built an environmental lab monitor and data visualization tool in NodeJS
- Created a file archiver and database entry tool for test department data logging
- Developed an automated imaging system for iOS to speed up data collection for neural network training
- Wrote Python parsers and visualization tools for tractor diagnostic files

Daniel Sletten Farms   Larimore, ND

Farm Hand   2011-2017

- Fixed various electrical and mechanical problems around the farm
- Planted, fertilized, sprayed, harvested, and transported all farm products
- Performed maintenance on all farm equipment and buildings

PROJECTS

- **Quadcopter Positioning:** Minimalist positioning system for an Arduino based quadcopter
- **IMU Data Collection:** iOS app that categorizes and logs data from an IMU over Bluetooth for use in neural network training
- **Endangered Species Map:** Python script that automates Google Earth KML file creation

SKILLS

- **Languages:** Java, JavaScript, Python, HTML, C#, Swift, C, Objective-C, SQL
- **Technologies:** OOP, NodeJS, MongoDB, mySQL, .NET, Windows 10 WPF, iOS, Arduino, Raspberry Pi
- **Electromechanical:** Basic circuit tracing and design, home wiring, heavy equipment operation/maintenance, power tool operation (lathe, mill, planer, band saw, etc.), welding (MIG, stick, acetylene), metal casting

LEADERSHIP AND INVOLVEMENT

- NDSU Coding Challenge   2018-Present
- NDSU Track and Field Team   2015-2017