

Seth Arvila

A recent computer science graduate with a passion for creating beautiful and intuitive software that will change peoples lives



github.com/setharvila



setharvila.com



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Projects

Field Research Submission Tool

Computer Science Capstone Project | NDSU Ag Data x Microsoft

- Worked in a team to develop a tool using React, NodeJS, and MSSQL that helps over 24,000 producers across North Dakota to communicate about field research trials while building skills in web development, git, and Agile.
- Designed a user interface that is modular and will be re-used across a suite of NDSU AG Data applications.

Temperature Sensor System

- Built a system using an ESP32 microcontroller to monitor and track temperature and humidity in a residential environment and record the data in a database using HTTP requests to a node.js server.
- Developed an iOS app that displays the temperature information using Swift Charts to the user and sends them notifications when the temperature or humidity meets predetermined thresholds.

Experience

AV Technology Student Manager

North Dakota State University (November 2022 - Present)

- Built a dashboard in Angular that improved team communication and awareness of tasks and issues.
- Used skills in team and project management to guide a team of 13 student employees to success in the daily operation and maintenance of over 150 classrooms, and many departmental spaces.
- Expanded skills in resource management by coordinating projects and a team to successfully maintain, troubleshoot, and install equipment that impacts nearly 13,000 students and 2,000 faculty members.

AV Technology Technician

North Dakota State University (February 2022 - Present)

- Enhanced skills in communication by communicating complex AV problems in classrooms to instructors and other guests in classroom and presentation spaces.
- Developed skills in teamwork and coordination by using a ticket system and communication platforms to manage and communicate problems with multiple departments consisting of over 100 IT employees.

Endorsements

setharvila.com/endorsements

Seth has unique skills when it comes to front-end development and he played a pivotal role in our project's large scale redesign of the user experience. He envisioned what the app could look like, built Figma's to express that vision, and helped the team execute on building those designs. Such skills are rare in software development and rarer still in a student. His impact to the success of the project was huge.

Matt Schumacher - Senior Software Engineer, Microsoft

He has taken on leadership roles inside our organization and has proven himself again and again, earning the respect and trust of everybody who has worked with him. He has consistently exceeded expectations, proving himself to be a highly dedicated, responsible, and capable professional.

Daniel Erichsen - AV Experience Coordinator, North Dakota State University

Education

Computer Science

North Dakota State University

Bachelor of Science • May 2025

Networking and Systems Administration

Ridgewater College

Associate of Applied Science • May 2021