

# Arvid Brunsell

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## Projects

### Active Park Assist Software Requirements Specification (SRS)

- Designed an active park assist system for an automatic Ford vehicle
- Created visuals and prototype for the customer to understand system behavior

### Discord Music Bot

- Built a bot that will listen to commands from end user of a Discord server, and play audio clips from Youtube in a voice channel
- Technologies used include the Discord API, Node.js, and JavaScript

### Capstone Project: Virtual Computer Service Enhancements

- Developed Microsoft PowerShell scripts to automate manual processes and transition to a persistent to non-persistent virtual machine environment
- Project sponsored by Dow, utilizing Microsoft Azure cloud environment

## Education

### B.S. in Computer Science, Minor in Japanese | 09/2018 - 12/2021

Michigan State University, East Lansing, Michigan

GPA: 3.72 / 4.00

- Relevant Courses: Artificial Intelligence | Algorithms and Data Structures | Algorithm Engineering | Computer Organization and Architectures | Computer Networks | Database Systems | Web Design and Development | Software Engineering | Software Design

## Skills

**Programming / Scripting Languages:** Python | HTML / CSS | PHP | SQL | JavaScript | C++ | Microsoft PowerShell | ARM Assembly | Java

**Cloud-Based Technologies:** Microsoft Azure

**Databases:** MySQL

**Operating Systems:** Windows | Mac OS | Linux

**Other Technical Skills / Frameworks:** Git | jQuery | Sass

**Foreign Languages:** English (native) | Japanese (fluent)

## Work Experience

### Michigan State University Animal Sciences, Remote | Full-Stack Web Developer | 05/2021 – 03/2022

- Developed the Top Milk Antibiotic Usage Benchmark Tool website.
- Analyzed users' dairy cow and calf antibiotic usage to other farms in the United States, creating a benchmark report through backend PHP
- Designed website behavior and frontend utilizing CSS, HTML5, and JavaScript

### Independent, Remote | English Tutor | 01/2017 – 12/2021

- Tutored Japanese overseas students to learn English online using programs such as LINE and Skype

### Michigan State University Residential and Hospitality, East Lansing, Michigan | Sparty's Store Crew Lead | 02/2019 – 10/2020

- Supervised small teams in-store to perform tasks such as cleaning and stocking of the store, operating POS system

### Home Depot, White Lake, Michigan | Lot Associate | 06/2020 – 08/2020

- Helped product into customers vehicles, collecting carts, retrieving delivery items inside the store for customer inquiries