Arvid Brunsell

18brunsella.github.io/PersonalPortfolio/ | arvid432000@gmail.com |
West Bloomfield, Michigan, USA

EDUCATION

MICHIGAN STATE UNIVERSITY
BS in Computer Science
Minor in Japanese
Sept 2018 - Dec 2021
East Lansing, MI
College of Engineering
Cum. GPA: 3.72 / 4.0

WALLED LAKE NORTHERN
Grad. June 2018| Commerce, MI

LINKS

Github:// **18brunsella**
LinkedIn:// **arvidbrunsell**

COURSEWORK

UNDERGRADUATE
Artificial Intelligence (AI)
Algorithms and Data Structures
Algorithm Engineering
Computer Organization
Computer Architecture
Computer Networks
Database Systems
Web Application Design
Web Application Development
Software Engineering
Software Design (OOP)

SKILLS

PROGRAMMING
Over 5000 lines:
Python • JavaScript • C++
Over 1000 lines:
C • ARM Assembly • PowerShell
Familiar:
Java • MySQL • SQL • Git
Linux • Webpack • Node.js
Microsoft Azure

WEB TECHNOLOGIES
Over 5000 lines:
HTML • CSS • PHP
Familiar:
jQuery • Scss • Sass • AJAX

LANGUAGES
Native
English • Japanese

PROJECTS

CAPSTONE PROJECT: VIRTUAL COMPUTER SERVICE ENHANCEMENTS | MSU CSE 498 Course / Dow Inc.
- Developed PowerShell scripts to automate manual processes and transition to a persistent to non-persistent virtual machine environment
- Integrated scripts to generate reports and tag machines for 1000 virtual machine Azure environment, utilizing Azure Automation and Azure Active Directory

ACTIVE PARK ASSIST SYSTEM SOFTWARE REQUIREMENTS SPECIFICATION (SRS) | MSU CSE 435 Course / Ford
- Designed an active park assist system for an automatic Ford vehicle as a group, utilizing software requirements elicitation, risk analysis, collaboration, and technical writing skills
- Structured diagrams such as domain models and prototype for the customer to understand system behavior into an 50-page SRS document

DISCORD MUSIC BOT | Personal Project
- Implemented a Discord server bot in JavaScript utilizing the Discord Web API and Node.js that will listen to commands from end user, and play audio clips from YouTube in a server voice channel

EXPERIENCE

MICHIGAN STATE UNIVERSITY ANIMAL SCIENCES DEPARTMENT | Part-Time Full Stack Web Developer
May 2021 - March 2022 | Remote
- Developed the Top Milk Antibiotic Usage Benchmark Tool website (LAMP)
- Analyzed users' dairy cow and calf antibiotic usage, comparing to other farms in the United States; creating a summary benchmark report through back end PHP and MySQL database to track user information and farm data
- Designed website front-end and behavior utilizing CSS, HTML5, and JavaScript

INDEPENDENT (PERSONAL) | English Tutor
Jan 2017 – Dec 2021 | Remote & West Bloomfield, Michigan
- Tutored Japanese overseas students to learn English online using programs such as LINE and Skype as well as taking part in-person tutoring

MICHIGAN STATE UNIVERSITY RESIDENTIAL AND HOSPITALITY SERVICES
Sparty's Store Crew Lead | April 2019 - Oct 2020
Sparty's Store Sales Associate | Dec 2018 - April 2019
East Lansing, MI
- Promoted from Sales Associate to Crew Lead within six months
- Supervised small crew teams in-store to perform tasks such as cleaning and stocking of the store, operating POS system (cashier)

THE HOME DEPOT | Lot Associate
June 2020 – Aug 2020 | White Lake, MI
- Helped loading product into customers vehicles, collecting carts, retrieving delivery items inside the store for customer inquiries