

EDUCATION

Iowa State University Ames, IA

M.E. in Computer Engineering

Expected May 2024

GPA: 3.60/4.00

B.S. in Computer Engineering

Expected May 2023

GPA: 3.60/4.00

Bartlett High School Bartlett, IL

Graduated May 2019

GPA: 3.843/4.000

EXPERIENCE

Prism Java Plugin Developer, Community Moderator

Oct. 2016 - Jan. 2020

- Developed and modified Java plugins to increase functionality and efficiency.
- Utilized SFTP software to remotely modify files to customize the server functionality.
- Collaborated with a team to moderate a community to provide a safe environment.
- Maximized efficiency by dividing up tasks amongst staff members.

PROJECTS

homebridge-dyson-bp01 TypeScript

Sep. 2022 - Present

A Homebridge plugin to add a Dyson BP01 to HomeKit using a BroadLink RM

MatrixDisplay Python

Dec. 2021 - Present

A program to control a Raspberry Pi with a Unicorn HAT from a web interface

Website HTML, CSS, JavaScript

May 2021 - Present

My personal website and portfolio

BoneBot Kotlin

Aug. 2020 - Present

A self-hosted, modular Discord bot to add more life to a Discord server

HardcoreLists Java

May 2020 - Present

A player listing system for hardcore Spigot Minecraft servers

VolleyBall Java

Jul. 2019 - Present

A simple volleyball minigame plugin for Spigot Minecraft servers

CourierNew Java

Jun. 2019 - Present

A unique mail system plugin for Spigot Minecraft servers

LANGUAGES

TypeScript, Python, VHDL, JavaScript, CSS, HTML, Kotlin, C, Java

ACTIVITIES

Marching Bands and Concert Ensembles

Aug. 2011 - Present

- Collaborated as an ensemble to rehearse for and perform public performances.
- Practiced as an individual to increase personal instrumentalist and marching abilities.
- Worked with section in rehearsals to prepare and improve for performances.

German American Partner Program

Jun. 2016 - Jul. 2016

- Visited Munich and attended Gymnasium München Moosach over a two-week period.
- Enhanced German speaking and listening skills.
- Gained experience adapting to a new environment in a quick manner.