

EDUCATION

Iowa State University Ames, IA
B.S. in Computer Engineering
GPA 3.62/4.00

Expected May 2023

Bartlett High School Bartlett, IL
GPA 3.843/4.000

Graduated May 2019

EXPERIENCE

Prism Non-Profit Organization

Oct. 2016 - Jan. 2020

Java plugin developer and community moderator

- 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

Pseudo3D

Mar. 2020 - Present

- 2.5D game library with custom 3D physics and unique 2D rendering.
- Written in Java using JavaFX.

Website

May 2021 - Present

- Personal website used as a project portfolio.
- Written in vanilla HTML, CSS, and JavaScript.

VolleyBall

Jul. 2019 - Present

- Minecraft server plugin that adds a basic volleyball mini-game to a server.
- Written in Java using Spigot.

BoneBot

Aug. 2020 - Present

- Self-hosted, modular Discord bot that adds life and custom commands to a server.
- Written in Kotlin using JDA.

CourierNew

Jun. 2019 - Present

- Minecraft server plugin that adds a mail system with physical letters and couriers.
- Written in Java using Spigot.

homebridge-dyson-bp01

Sep. 2022 - Present

- Homebridge plugin that adds a Dyson BP01 fan to HomeKit using a BroadLink RM device.
- Written in TypeScript using Node.JS.

LANGUAGES

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

ACTIVITIES

Iowa State Marching and Concert Bands

Aug. 2019 - 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

Summer 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.