

Borna Hemmaty

Computer Scientist

I am a computer scientist with 2 years of experience with Java and various other software and coding languages. I am working towards a bachelor's degree in mathematics-computer science at UCSD.

PROJECTS

Discord Bot – python

September 2021 – December 2021

- Built using the Discord API and designed as a personal robot to govern a discord server.
- Takes in user input commands and developed for local file playback using the youtube_dl Python API.
- In progress of updating and adding new functions for better user experience.
- Gained experience in Discords API and more about object-oriented coding through Python.

3D CAD Model, Donut – Blender

June 2022 – July 2022

- Produced a realistic donut model through Blender software.
- Gained experience in Blender features in sculpting, modeling, and texturing.
- Researched blender features and self-studied how to apply blender to my 3D CAD models

Capstone Project – Raspberry Pi

September 2020 – July 2021

- Programmed and built a Raspberry Pi to create a USB hub.
- Developed experience in teamwork and connections with professors who contributed to the project.
- Demonstrated using 3D CAD modeling software and model drawing.
- Experience with Linux terminal and use of Raspberry Pi.

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SKILLS

Languages: Java, C, Python,

R, LaTeX, assembly

Tools: Blender, Matlab, VS

code, JUnit Testing, Overleaf,

Vim, R Studio

OS: Linux, Windows

Computer Hardware

EDUCATION

University of California, San Diego

Bachelor of Science:
Mathematics – Computer Science

September 2021 – May 2025

La Jolla, CA

RELEVANT COURSEWORK

- Basic Data Structures and Object-Oriented Design
- Software Tools and Techniques Laboratory
- Discrete Mathematics
- Mathematics for Algorithms and Systems
- Security in Amazon Web Services
- Computer Organization and System Programming
- Linear Algebra