

Cooper Murr

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EDUCATION

Cornell University

Bachelor of Arts - Computer Science

Ithaca, NY

Spring 2024

- GPA: 3.731
- Related Coursework: CS 2112 Honors Object-Oriented Design and Data Structures, CS 2800 Discrete Structures, CS 3410 Computer System Organization, CS 3152 Intro Game Architecture, MATH 4710 Basic Probability
- Related Projects
 - Grow Crazy! Commercial Computer Game Title
 - Developed a Java based title that contains full co-op support, over 20 levels, and a unique gameplay experience against an AI controlled plant. Presented at end-of-year game exposition to 500 attendees.
 - Critter World Simulation
 - Mockup of UI here, <https://tinyurl.com/CritterGUIMockup>. Software simulates “critters” in a user or randomly generated world through supported actions: breeding, attacking, eating, dying, moving, and custom critter reactions

WORK EXPERIENCE

Future Automation Research Laboratory

Research Intern

New York, NY

August 2022

- Prototyped audio machine learning & robotics interface for the development of contextualized learning systems.
- Researched and built pipeline of using a machine learning integrated pen plotter to programmatically shade user pen sketches
- Conducted user case studies for the Cross Cultural Driving Project utilizing Virtual Reality to collect data on various driving scenarios

Nutrition by Corvis

Intern Site Manager

San Juan Capistrano, CA

December 2019

- Initialized a basic login system, working with the company head, with default front end design and SQL back end for storing user data.

CS 1110 Course Staff

Consultant

Ithaca, NY

August 2021 - Present

- Led a section of weekly consulting hours for CS 1110 assignment questions.
- Ensured students in lab section understood the week’s relevant python concepts

ACTIVITIES & LEADERSHIP EXPERIENCE

Cornell University Sustainable Design (ICN 2030 Modeling)

Electrification Team Lead

Ithaca, NY

2021 - Present

- Driven project team dedicated to mitigating carbon emissions in Ithaca, NY.
- Researched and analyzed residential features utilizing Rhino for modeling and TensorFlow for machine learning model construction to determine optimal retrofittings to cost effectively reduce impact on the environment.
- Designed and launched ICN 2030 modeling React site for residential distribution of model’s algorithm functionality.

Strength Over Silence

Co-Founder

CA

2017 - Present

- Co-Founded a mental health and suicide awareness organization for youth.
 - Established an annual 4-hour walk raising \$4.6k, petitioned the District for policy change, educated Southern California schools on mental health warning signs.

SKILLS & INTERESTS

Skills: Java, Typescript, React, Python, Object-Oriented Design, Data Structures, Algorithm Analysis, C++

Interests: Cornell Overwatch Varsity Esports, Whistling Shrimp Improv Comedy