

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
 - In development time management platformer staged for release in May 2022
 - Encryption/Decryption Software
 - Encode user data with substitution ciphers (i.e. Vigenere ciphers)
 - Full RSA encryption and decryption system of any file type
 - 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

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 while offering assistance to those who were experiencing trouble with their software.

ACTIVITIES & LEADERSHIP EXPERIENCE

Cornell University Sustainable Design (ICN 2030 Modeling)

Electrification Team Lead

Ithaca, NY

2021 - Present

- Driven project team member 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 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.

Global Issues Problem Solving

Competitor

CA

2017 - 2020

- Team critical-thinking competition. Attended international division competitions in Massachusetts and Wisconsin in 2018 and 2019 respectively.

SKILLS & INTERESTS

Skills: Java, C++, Python, Object-Oriented Design, Data Structures, Algorithm Analysis, basic HTML/CSS

Interests: Cornell Overwatch Varsity Esports, Whistling Shrimp Improv Comedy