Cooper Murr

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EDUCATION

Cornell University, College of Arts & Sciences   **Ithaca, NY**
Bachelor of Arts - Computer Science   *Expected Graduation: May 2024*
GPA: 3.733 • *Dean's List Fall 2020, Spring 2020, Fall 2021, Spring 2021*

TECHNICAL SKILLS

Programming Languages:
　　Very Highly Proficient: Java • *Highly Proficient:* Python, OCaml, Javascript
　　Moderately Proficient: Typescript, C++, C, C#, HTML, CSS
Additional Skills: Git • RISC-V Assembly • Sony Vegas • Photoshop

WORK EXPERIENCE & ACADEMIC PROJECTS

Future Automation Research Laboratory   **New York, NY**
Research Intern   *May 2022-Present*
- Prototyped audio machine learning & robotics interface/backend for development of contextualized learning systems.
- Orchestrated technical equipment for operating the Immersive XR Bus Tour and contributed to a research paper submitted to CHI 2022.
- Conduct studies for the Ithaca Cross Cultural Driving Project using Virtual Reality to collect data on driving scenarios.

Grow Crazy! (Commercial Video Game, Cornell University)   **Ithaca, NY**
Programmer   *January 2022-May 2022*
- Developed a Java based title that contains full co-op support, over 20 levels, and a unique gameplay experience against an AI controlled plant. mo
- Presented at end-of-year game exposition to 500+ attendees including professionals, professors, and peers.

Nutrition by Corvis   **San Juan Capistrano, CA**
Site Manager Intern   *December 2019*
- Initialized a basic login system, working with the company head, with default front end design and MySQL back end for storing user data.

Intro to Python Computing Course Staff (Cornell Bowers CIS Department)   **Ithaca, NY**
Consultant   *August 2021-May 2022*
- Led a section of weekly consulting hours for Intro to Python course assignment/exam questions.
- Ensured students in the weekly lab section understood the week's relevant python concepts.

CUHousing (Cornell Trends in Web Development Course)   **Ithaca, NY**
Team Member   *August 2021-May 2022*
- Constructed React website for students to quickly overview information on available housing options on and off campus.

PERSONAL PROJECTS & ACTIVITIES

Cornell University Sustainable Design (ICN 2030 Modeling)   **Ithaca, NY**
Electrification Team Lead   *August 2021-Present*
- Research and analyze residential features, collaboratively utilizing Rhino & TensorFlow to determine optimal retrofittings to cost effectively reduce impact on the environment.
- Design ICN 2030 modeling React site for residential distribution of model's algorithm functionality.

The AxiDraw Project   **New York, NY**
Personal Project   *May 2022-Present*
- Built system for analyzing physical user line drawings and using the AxiDraw to realistically sketch shading on top of them from a given lighting direction (ShadeSketch ML model)
- Draft in progress research paper on effects of translating digital ML models to physical space and submit to CHI Late Breaking Work 2022 conference.

Whistling Shrimp Improvisational Comedy   **Ithaca, NY**
General Manager   *August 2020-Present*
- Secure venues, design adverts, and promote performances for auditions and self-produced shows.
- Coordinate logistics with comedy festival owners and private show clients for external performances.
- Opened for University of Delaware & Skidmore College Comedy Festivals respectively, performing improvisational comedy to 400+ attendees.

Strength Over Silence   **CA**
Co-Founder   *September 2017-August 2020*
- Co-Founded mental health/suicide awareness organization for youth.
- Established an annual 4-hour walk raising $4.6k, petitioned the District for policy change, educated schools on mental health warning signs, won International Grand Champion FPS award.