

## EMPLOYMENT ▸

### Cornell Phonetics Laboratory

Freelance Designer/Developer

Remote  
June 2020 to Current

- Providing design solutions to lacking areas (such as user engagement and a downplayed body of work) by establishing new site architecture. Established a new visual identity by designing custom mockups with Figma.
- Coding all responsive designs and integrating with Drupal as a custom theme in addition to streamlining admin content creation with taxonomy design.

### Yang-Tan Institute

Back-end Intern

Remote  
Jan. 2020 to May 2020

- Implemented bug fixes and added extra functionality to various YTI projects with Laravel and JavaScript.
- Delivered a system design and implementation of an automated waitlist system in Laravel for New York State CASE trainings, removing 3-4 weekly hours of manual registrations/cancellations.
- Built an internal email newsletter service to replace the overhead of the previous system Lyris, with features such as custom content creation and schedule-sending.

### CMYK

Web Development Intern

Brooklyn, NY  
Sept. 2018 to July 2019

- Implemented responsive front-end designs for client projects such as Mercado Little Spain in Hudson Yards.
- Conducted QA testing & implemented bug fixes across various CMYK client websites.
- Built an internal web-app that generated CMYK's weekly newsletter by scraping the company Slack using the MEAN stack.

## LEADERSHIP & ACTIVITIES ▸

### Medium Design Collective · Culture and Society Team

Current

- Designed wireframes for a news literacy application that uses sentiment analysis to determine article subjectivity.
- Set up web app foundation with Flask and implemented news searching.

### Big Red Hacks · Web Development Team

Current

- Built the frontend for the organization site.
- Building the main site, generally used by 500+ people, for the 2020-2021 season.

### Imagine 2018 · Co-founder and Co-director

- Founded high school CS conference with workshops taught by professional industry veterans on topics ranging from cybersecurity to UX to ML.
- Oversaw event planning, logistics, and the procurement of workshop speakers including the keynotes hosted by Eliot Horowitz (CTO of MongoDB) and Anthony Peterson (CTO of Giphy).

## SELECT PROJECTS ▸

### Camlished

May 2020 to June 2020

- CS 3110 Final Project: Built a strategic city-builder game inspired by Banished with two partners.
- Implemented game state, game loading and saving, resource management/conversion system, and structure placement.
- Uses: OCaml.

### Critter World

Oct. 2019 to Dec. 2019

- CS 2112 Final Project: Worked on a simulation of a hexagonal world populated with evolving critters that are controlled by programs.
- Implemented classes for the AST and implemented action simulator; worked on simulation display and connected GUI to internal world representation; converted GUI interactions into Client requests and handled Server responses.
- Uses: Java, Spark.

### FastFive Automation

Jan. 2019 to July 2019

- Built a web app and frontend interface that scrapes CMYK's internal slack messages in order to automate the generation of the company's weekly newsletter.
- Uses: Express, MongoDB, Node, HTML, CSS.

### hackBCA IV Website

Sept. 2016 to Apr. 2017

- Implemented the front end, user portal, and backend staff tools for hackBCA IV, which served over 400 users.
- Uses: Flask, MongoDB, HTML, CSS.

## EDUCATION ▸

### Cornell University

Bachelor of Science, Computer Science  
Expected May 2023

### Relevant Coursework

Calculus for Engineers  
Object-Oriented Design & Data Structures (Honors)  
Discrete Structures  
Data Structures and Functional Programming  
Linear Algebra for Engineers  
Introduction to Analysis of Algorithms (Fall 2020)  
Introduction to Database Systems (Fall 2020)

## SKILLS ▸

**PROGRAMMING:** Java, Python, OCaml, SQL, JavaScript

**WEB DEVELOPMENT:** Flask, Express, Laravel, NodeJS, MongoDB, p5.js, Handlebars/Jinja/Twig, Grav, HTML/CSS, SASS, JQuery, Drupal

**DESIGN:** Figma, Sketch

## AWARDS ▸

### Rewriting the Code Fellow

Aug. 2020

### NCWIT Aspirations

Jan. 2019

National Honorable Mention  
New Jersey Affiliate Winner

### GirlsGoCyberStart

Feb. 2018

3rd place team nationally  
Top team in New Jersey

## CONTACT ▸

✉ [iyk7@cornell.edu](mailto:iyk7@cornell.edu) 🌐 [iris.codes](https://iris.codes)

[in iris-kim23](#) 🔄 [irisval](#)