

MERYL YE

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EDUCATION

Cornell University

B.S. Computer Science (2020-2023)

Dean's List (all semesters)

GPA: 3.8

RELEVANT COURSEWORK

Information Networks (Spring 2023)

HCI (Spring 2023)

Computer Networks (Fall 2022)

Algorithms (Fall 2022)

Data-Driven Web Applications
(Fall 2022)

Operating Systems (Spring 2022)

Computer Vision (Spring 2022)

Computer System Organization
(Fall 2021)

Machine Learning (Fall 2021)

Functional Programming (Spring 2021)

**Object-Oriented Programming
and Data Structures** (Fall 2020)

SKILLS

PROGRAMMING LANGUAGES

Python

Java

OCaml

JavaScript

TOOLS AND FRAMEWORKS

MATLAB

R

Arduino

CAD

Git

SQL

Tableau

HTML/CSS

SELECTED RESEARCH & WORK EXPERIENCES

Cornell University

Ithaca, NY

Robots in Groups Lab Research Assistant

June 2021 - Present

- Exploring how to incorporate ludic design into **human-robot interaction** to create more playful robots.
- Wrote **Python** programs to facilitate experiment protocols.
- Utilized **CAD** and **Arduino** to design and build parts for mechanism **prototyping**.
- Constructed a vision system using **OpenCV** and **MediaPipe** libraries.
- **First author** of SDC submission to HRI and full paper accepted to RO-MAN.

HCI Research Assistant

Feb. 2021 – May 2021

- Investigated **data-driven AI design** opportunities within women's health and intimate technologies.
- Analyzed online discourses using **Python** to understand user needs and to envision potential solutions.

Cisco

San Jose, CA

Technical Intern I

June 2023 – Aug. 2023

- Re-implemented Neo4j configuration database schema generation and insertion logic to separate from application-server's startup workflow in Java.
- Used Python script to process database schema information.
- Solution improved schema inconsistency detection as well as avoidance.

Verizon

Richardson, TX

Network Engineering Intern

June 2022 – Aug. 2022

- Worked on a quality assurance team **database enhancement** project.
- Implemented improved database webserver using **MySQL, PHP, CSS**, and various web development tools.
- Business impact increased efficiency for the QA and metrics team by retiring legacy platforms and creating automation—consequently improving accuracy of data for the teams.

University of Tennessee

Knoxville, TN

Biomedical Research Intern

May 2019 – Aug. 2019

- Conducted independent research project studying electroencephalography-based **brain-computer interfaces** aiming to improve student learning.

HONORS & AWARDS

Rawlings Cornell Presidential Research Scholar

2020-2023

John McMullen Dean's Scholar

2020-2023