

Bryan Kongnyu

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EDUCATION

Cornell University, Ithaca | Bachelor's Degree in Information Science

Ithaca, NY

Major: Information Science | Minor: Communications

May 2025

- **Relevant Coursework:** Object-Oriented Programming and Data Structures (Spring 2022), Intro & Intermediate Web Design (Fall & Spring 2022-23), Data Science (Spring 2023), Data Structures and Functional Programming (Spring 2023), Data-Driven Web Applications (Fall 2023), Human-computer interaction (Fall 23)
- **Awards/Honors:** Certificate in Web Design 2023

WORK EXPERIENCE

Yale University - BioTechnology Lab

New Haven, CT

Research Assistant

June/2020 - May/2021

- Led a redesign of the lab's website using HTML, CSS, and JavaScript, enhancing user engagement by 20%.
- Played a key role in a team analyzing mRNA images, using Python and ImageJ, contributing to a 15% improvement in cell focal adhesion research.
- Implemented processing scripts in Python, increasing lab efficiency by reducing manual data entry time by 30%.

Cornell University - Communications and Collaborative Technologies Lab

Ithaca, NY

UI/UX Research Assistant

September/2023 - present

- Optimized data collection methodologies using Python and Qualtrics, enhancing research quality.
- Designed project visualizations using Figma, significantly improving the presentation of case studies.
- Contributed to improving user experience and design in lab research using frontend skills such as web design.

Cornell University - Scholar Group

Ithaca, NY

Kessler Scholars Mentor

August/2021 - present

- Facilitated community-building exercises and provided mentorship to first-year students, focusing on academic and personal development.
- Mentored first-year students as a sophomore and junior and shared my experience coming to Cornell.
- Shared high school or college experiences and advised on campus life, classes, and professors and teachers.

LEADERSHIP EXPERIENCE & ACTIVITIES

Underrepresented Minorities in Computing at Cornell (URMC)

Ithaca, NY

Member

August/2021 - present

- Actively participated in Cornell's Underrepresented Minorities in Computing group, promoting diversity
- Collaborated on diverse teams to develop tech solutions and projects for problem-solving in computing

Pre-Professional Program at Cornell

Ithaca, NY

Profession Track

August/2021 - present

- Attended weekly gatherings and current Mentor for 1st-year students
- Participated in multiple community service opportunities and community-building workshops

Personal Projects

January/2022 - present

- Developed a catalog-based website utilizing PHP, HTML, and CSS, incorporating user login/logout features
- Created a multiplayer video game similar to the popular game Ludo with 3000 lines of code using Ocaml

SKILLS & INTERESTS

Coding Languages: Java, JavaScript, HTML, CSS, Python, OCaml, R/R-studio, C++, React, Angular, SQL, Nodes.js

Skills: problem-solving, collaboration and teamwork, adaptability, attention to detail, and time management

Spoken Languages: English, French, Spanish, and Afrikaans

Interest: Software development, frontend development, UI/UX design, Data Science, and Tech Consulting