

# Bryan Kongnyu

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## EDUCATION

### Cornell University, Ithaca | CALS

Ithaca, NY

*Bachelor of Information Science | Minor in Communications | GPA: 3.0*

*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), Introduction to Computing (Spring 22), C++ (Fall 2023), Data-Driven Web Applications (Fall 2023), Communications and Technology (Fall 23), 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*

- Utilized HTML, CSS, and JavaScript skills to advance the lab's website, improving the overall user experience
- Collaborated with a team of five Yale professors to analyze images of mRNA to optimize focal adhesions in cells
- Applied skills in Python and ImageJ for sophisticated data analysis, assisting in detailed reports and insights.

### Cornell University - Communications and Collaborative Technologies Lab

Ithaca, NY

*UI/UX Research Assistant*

*September/2023 - present*

- Aided in crafting and optimizing communication protocols using Python and Java to enhance lab efficiency.
- Utilized machine learning models to analyze user data and improve collaborative technology functionalities.
- 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*

- Participated in community-building exercises and community service
- Mentored first-year students as a sophomore 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
- Attended monthly club meetings, and participated in team-building sessions
- 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