Bryan Kongnyu

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EDUCATION

Cornell University, Ithaca | Bachelor's Degree in Information Science   **Ithaca, NY**
Major: Information Science | Minor: Communications | GPA: 3.1   *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