

CORNELIUS OSEI OWUSU BOATENG

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EDUCATION

Cornell University - Ithaca, New York, USA

Graduating May 2024

Bachelor of Arts Computer Science.

Honors: Dean's List - Fall 2020, Spring 2021.

Relevant Coursework: Introduction to Computing, Calculus, Modern Web Development, Calculus, Object-Oriented Programming, and Data Structures, Discrete Structures, Computer Systems Organization, and Programming, Linear Algebra.

SKILLS AND PROFICIENCIES

- **Programming languages:** Python, Java, Swift, JavaScript, C, TypeScript, *PHP, *SQL, *OCaml. (* = *familiar*).
- **Experience with** HTML, CSS, React, Django, Node.js, SwiftUI, Cloudinary, Bootstrap, Firebase, MongoDB, Git, Sentry.

WORK EXPERIENCE

Incoming Software Engineering Intern, Meta (Facebook).

May 2022 - Aug 2022

Kehillah Ghana Limited - Remote

June 2021 - Aug 2021

Software Engineering Intern

- Worked on the backend team to develop Create-Read-Update-Delete tools for the investment platform's API.
- Implemented error logging and tracing using sentry.io and set up alerts to notify the team via Slack when we exceeded specific thresholds.
- Built continuous integration using GitHub Actions to ensure that all tests pass on pull requests.
- Contributed python script to auto-generate essential files needed by API.

Innovate Ghana Bootcamp - Remote

July 2020- Aug 2020

Peer Mentor and Web Development Instructor

- Worked with a team of 5 high school students to build a prototype of a messaging app.
- Introduced new participants to web development and facilitated the creation of basic front-end templates.

Cornell College of Computing and Information Science - Remote

Aug 2021 - Present

Course Consultant. - Introduction to Computing Using Python.

- Serving as a teaching assistant for a Python course of about 500 students.
- Help reinforce class concepts during office hours and lab periods.
- Built continuous integration using GitHub Actions to ensure that all tests pass on pull requests.
- Review and grade exams and students' programming assignments throughout the semester.

PROJECTS

StudyPot Learning Website and iOS Quiz App, <http://www.studypot.org>.

- Mobile-responsive website hosting recorded lesson videos and articles on anatomy, physiology, and biochemistry for medical schools in Ghana. Currently serves about 100 students.
- Implemented user validation, authentication, an admin panel, and a social network for reviews.
- Currently building an iOS quiz app.
- Built mainly with Node.js, Express, MongoDB, EJS, CSS3, Passport, Cloudinary, and Bootstrap 5.

Cornell Roster Automator, Spring 2021 Project, <https://youtu.be/gyaW1HIyQrI>.

- Automated the selection of the courses to enroll in from the online Cornell Roster.
- Added functionality to check for course time overlaps and updates.
- Built entirely with Python.

Box Snake Game. <https://box-snake-game-e79e8.web.app/>

CAMPUS INVOLVEMENT

- **Cornell University Undergraduate Research Board**, *Member*, Spring 2021 - Present.
- **Underrepresented Minorities in Computing**, *Member*, Cornell University, Fall 2019 - Present.