CORNELIUS OSEI OWUSU BOATENG

❖**www.corneliusboateng.com**   ❖**https://github.com/CorneliusOsei2**   ❖**www.linkedin.com/in/cornelius-boateng**
❖**cob32@cornell.edu**

EDUCATION

Cornell University - Ithaca, New York, USA   **Graduating May 2024**
Major: Computer Science.   **Honors**: Dean's List - Fall 2020, Spring 2021.

Relevant Coursework: Object-Oriented Programming and Data Structures, Computer Systems
Organization, **Operating Systems, **Functional Programming, **Databases   (**=Fall 2022)
Teaching Assistant: Computer Systems Organization (350+ students)   **Aug 2022 - Dec 2022**
                              Intro to Computing Using Python (500+ students)   **Aug 2021 - May 2022**
Research: Software Engineering Runtime Verification with Associate Professor Owolabi Legunsen.

WORK EXPERIENCE

Meta (Facebook), Software Engineer Intern | Ads ML Infra Team**.   May 2022 - Aug 2022**
- Built a new internal UI tool for ML ranking engineers to get privacy-related data on F3 Ads features.
- Implemented a GraphQL server in Hack(PHP) that communicates with a SQL database upon request.
- Created React frontend, utilizing Meta's XDS framework, to interact with the backend via Relay.
- Contributed Python and Hack(PHP) scripts and unit tests, did code reviews and published wikis.

TechElevate, Instructor & Mentor   Jan 2022- Present
- Collaborate with student developers to build and maintain 2 startups' website and tech infrastructure.
- Offer programming tutorials and mentorship to aspiring developers and students in Ghana, Africa.

Kehillah Global, Software Engineer Intern | Backend API Team**.   May 2021 - Aug 2021**
- Developed Create-Read-Update-Delete tools for the investment platforms' API.
- Implemented error logging using sentry.io and set up alerts to notify the team via Slack when we exceeded thresholds. Contributed Python script to auto-generate essential files needed by the API.
- Built continuous integration using GitHub Actions to ensure that all tests pass on pull requests.

PROJECTS

StudyPot Learning Website | EJS, Node.js, MongoDB, AWS S3   **http://www.studypot.org**
- Mobile-responsive website hosting recorded lessons and articles. Currently serves about 100 students.
- Implemented user validation, authentication, an admin panel, and a social network for reviews.

Next App (Web and iOS) | Flask, SQLAlchemy, React, Swift.   **github.com/CorneliusOsei2/Next**
- Working on a team to build app for instructors to schedule office/consulting hour times with students.
- Created database tables and relationships using SQLAlchemy and built API server with Python Flask.
- Building web frontend in React and implementing networking controllers in Swift to interact with API.

Box Snake Game | HTML, CSS, JavaScript, Firebase.   **box-snake-game-e79e8.web.app**.
- 2D game modeled after the original Snake Game, with sound effects. Support arrow and ASDW keys.

Melodious Focus Chrome Exntension | HTML, CSS, JavaScript, Firebase.   **Dem(YouTube Video)**
- A Chrome extension that plays melodies to enhance focus while working. Has sound control features.

SKILLS AND PROFICIENCIES

- **Programming languages**: Python, Java, JavaScript, C, OCaml, Hack/PHP, Swift, TypeScript.
- **Experience with:** MongoDB, SQL, React, HTML, CSS, Flask, Django, Node.js, Express, GraphQL, Relay, Docker, Git, Sentry.io, Firebase, Cloudinary, AWS S3, Mercurial, GitHub.

CAMPUS INVOLVEMENT

- **Research Board,** Spring 2021-Present. • **Underreprensented Minorities In Computing** Fall 2020 -Present.