

# CORNELIUS OSEI OWUSU BOATENG

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## 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, Discrete Mathematics, \*\*Operating Systems, \*\*Functional Programming (\*\*=Fall 2022)

**Teaching Assistant:** Computer Systems Organization (500+ students)

**(Incoming) Fall 2022**

Intro to Computing Using Python (500+ students)

**August 2021 - May 2022**

## WORK EXPERIENCE

**Meta (Facebook), Software Engineer Intern** | Ads ML Infra Team.

**May 2022 - Present**

- 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 scripts and unit tests, did multiple 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, Cloudinary, Passport.

<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 (Web and iOS)** | Python Flask, SQLAlchemy, React, Swift.

[github.com/CorneliusOsei2/Next](https://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.

**Melodious Chrome Extension** | HTML, CSS, JavaScript.

[Demo \(Under review\)](#)

- A Chrome extension that plays melodies to enhance focus while working. Has sound control features.

**Box Snake Game** | HTML, CSS, JavaScript, Firebase.

[box-snake-game-e79e8.web.app](https://box-snake-game-e79e8.web.app).

- 2D game modeled after the original Snake Game, with sound effects. Support arrow and ASDW keys..

## SKILLS AND PROFICIENCIES

- **Programming languages:** Python, Java, JavaScript, C, Hack/PHP, Swift, TypeScript.
- **Experience with:** MongoDB, SQLite3, SQLAlchemy, React, HTML, CSS, Flask, Django, Node.js, Express, GraphQL, Relay, Docker, Git, Sentry.io, Firebase, Cloudinary.

## CAMPUS INVOLVEMENT

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