

# EKENE ILLOH

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<https://github.com/illoh-py> | <https://illoh-py.github.io>

## EDUCATION

Cornell Tech, New York, NY

May 2023

*Master of Engineering in Computer Science* | GPA: 3.7

**Relevant Coursework:** Optimization Methods, Applied Machine Learning, Product Management, Building Startup Systems, Human Computer Interaction and Design, User Experience and User Research, Privacy in the Digital Age

**Honors/Awards:** Merit Scholarship

Drexel University, Philadelphia, PA

June 2022

*Bachelor of Science in Electrical Engineering* | GPA: 3.9

Minors in Computer Science and Business Administration

## TECHNICAL SKILLS

**Coding Language:** Python, CSS, HTML, JavaScript, Dart, SQL, R, TypeScript, Golang, C++

**Operating Systems:** Windows, MacOS, Linux

**Other Tools:** Flutter, TensorFlow, ArcGIS, Kubernetes, Visual Studio Code, GoLand

## EXPERIENCE

Amazon, Software Development Engineer Intern, New York, NY

September 2022- December 2022

- Built an OpenSearch cluster to aggregate application logs from various advertising services using Java and Typescript
- Developed, tested, and deployed CDK changes to build a VPC for the OpenSearch cluster
- Designed a query for the cluster that allowed internal developers search for logs related to a customer account

BlackRock Inc., Software Engineer Summer Analyst, New York, NY

June 2022- August 2022

- Built a powerful coding assistant, Compute Guru, that was seamlessly integrated into JupyterLab extensions for the use of BlackRock internal developers
- Devised a seamless User Interface for the extension frontend using TypeScript, HTML and CSS
- Leveraged Kubernetes and Golang Viper Watchers in the backend to automatically update config maps holding operation information

BingeBuilderX Inc., Software Engineer Intern, Rehoboth Beach, DE

June 2021- August 2021

- Built a small-scale proof of concept NFT for sales of an album and a smart contract for the NFT using PHP and JavaScript
- Researched Blockchain Infrastructure Service Providers to determine which provider the company should use

## PROJECTS

Compute Guru, (TypeScript, HTML, CSS, Golang)

Summer 2022

A powerful coding assistant sourced from openAI and built as an extension to JupyterLab with the following features: code completion, explanation and debugging

- Designed a prototype UI for the frontend using Figma
- Built the frontend widgets on JupyterLab using TypeScript, HTML and CSS
- Created config maps to hold information used by openAI and added Viper Watchers to the backed to monitor changes

LBPAAlert, (Flutter, Dart)

Spring 2022

A mobile application paired with a hardware device that monitors the health of a user's lower back muscles

- Designed a prototype UX/UI for the mobile app using Figma and Adobe XD
- Built the frontend components of the mobile application using Flutter and Dart

## LEADERSHIP/ EXTRACURRICULAR ACTIVITIES /VOLUNTEER/COMMUNITY SERVICE

Drexel NSBE, Technical Outreach Chair, Philadelphia, PA

August 2020 -June 2021

- Increased member engagement during lockdown by creating fun and immersive activities during virtual general body meetings
- Organized volunteer activities around the Philadelphia area e.g., cleaning up Rittenhouse Square Park

Drexel Men's Club Soccer Team, Player, Philadelphia, PA

August 2018 -June 2022

- Played for the club in friendly games and regional/national tournaments
- Participated in numerous community service initiatives hosted by the club