Farnaz Zinnah

fzinnah000@citymail.cuny.edu ◦ linkedin.com/in/farnaz-zinnah ◦ github.com/fzinnah17

EDUCATION

The City College of New York, M. S. in Computer Science — Expected: Spring 2024
The City College of New York, B. E. in Computer Engineering with Honors — Graduated: Spring 2022
Relevant Coursework: Software Engineering, Software Design Laboratory, Data Structures, Programming in Python, Introduction to Java, Introduction to C++, Operating Systems, Algorithms, Computer Organization, and Database Systems.

TECHNICAL SKILLS

Languages: Python • Java • Kotlin • JavaScript • C • C++
Skills & Technologies: Android Mobile Development • Flask • Flutter • HTML • CSS • Bootstrap • Visual Studio Code • XCode • Git • Android Studio • Firebase • Back4app • MySQL • Postman • Figma

EXPERIENCE

HEADSTARTER ACCELERATOR — Present
Software Engineering Fellow
- Developing full-stack applications in a two-month-long software engineering fellowship.
- Focus: React, Bootstrap, Node, Express, Databases and Data Modeling, and AWS Lambda using MVC design patterns.

HEADSTARTER HACKATHON — June 2022
2nd place winner // Settle // Java • Back4App • XML • Android Studio *(~14 hours)*
- The problem addressed: Build an app that can resolve any educational issues through technology.
- Collaborated to build an Android app that allows the college students to see the details for enrolled courses; check the due, past due, and done assignments; and change the status of the due assignments after completion.

COMPUTER SCIENCE TUTOR — August 2020- Dec 2021
Private Tutor
- Mentored and taught high school students programming concepts and algorithms in Python and Java.
- Conducted one-on-one zoom sessions to help them understand project errors and debugging techniques.

ELEVATE HACKS HACKATHON — August 2021
Declutter // Web app // Django • HTML • CSS • JavaScript *(~20 hours)*
- Collaborated with a team of four students to build a web app that allows users to earn rewards by incentivizing the completion of pending tasks.

PROJECTS

Face Mask Detection // Web app • Android App • iOS App // Python3 • Kotlin *(~1500 hours)* — Spring 2022
- Trained the Convolutional Neural Network architecture to recognize and identify faces based on the "region of interests" to develop face recognition applications (Desktop, Android, iOS) that detects if users are wearing masks.
- Deployed the trained deep learning models on the mobile apps using TensorFlow Lite library and Kotlin to have a cross-platform mobile development feature.
- Applied OpenCV's built-in features to represent the percentage of accuracy of wearing masks as a final output.

MUSF // Web app // Python3 • Flask • SQL • HTML • CSS • JavaScript *(~300 hours)* — Spring 2022
- Developed a music web application with a team of four members by collaborating through the GitHub organization.
- Created a database from SQL scripts, and documented the schemas and the ER diagrams.
- Implemented the CRUD Operations by allowing the users to create an account; add or delete songs; read all songs on the database, and filter it based on a specific genre or keyword in the song's name; and to update users' profile.

Parstagram // Android app // Java • Flask • Bootstrap3 *(~30 hours)* — Spring 2022
- Built an Android photo-sharing app similar to Instagram that allows users to post photos and view their feed.
- Implemented full user authentication of signing up, signing in, logging in, and persisting user data.
- Utilized Back4App as a backend for utilizing user data for authentication and posts.

GradSchoolZero // Web app // Python3 • Flask • Bootstrap3 *(~400 hours)* — Fall 2021
- Collaborated with a team of five students to develop a full-stack web application about a graduate school management system that allows the students to enroll in graduate courses.
- Practiced good software engineering practices from planning to production.

HONORS AND AWARDS

Harvard WEAmplify Scholar'22	2022	Kenneth and Glory Levy Scholarship	2021-2022
NSLS Leadership and Success Award	2020	Dean's List	2019-2020

EXTRACURRICULAR ACTIVITIES

Android Bootcamp - CodePath (14 weeks; 5 apps built)	2022	Technical Interview Prep Bootcamp - CodePath	2022
Girls Who Code	2021 - 2022	Women in CS	2018-2022