ESTELLE ELIZABETH OCRAN

Self-directed and motivated Computer Science student

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EDUCATION

New York University

📅 August 2017 – May 2021

Bachelor of Science – Computer Science

- Minors: Interactive Media & Music

EXPERIENCE

Front-end Web Developer Intern

NYU Online Services & Applications (OSA)

📅 May 2019 – Present   New York, UAE   Abu Dhabi, UAE

- Upgraded and maintained web and application services across all browsers, which led to 30% more web traffic.
- Analyzed short and long-term implications of technological changes in the market and made recommendations on opportunities to improve services.
- **Technologies Used:** Sass, Gulp, HTML/CSS (Bootstrap), Javascript (Vue.js), Git.

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Research Intern

Modern Microprocessors Architecture Lab, NYU

📅 May 2019 – July 2019   Abu Dhabi, UAE

- Improved security against backdoors in machine learning models by 60% through developing filters that identify and remove triggers from poisoned inputs, .
- Developed and identified stealthy triggers which can successfully be injected into inputs for machine learning models.
- **Technologies Used:** Python, Keras/Tensorflow, Numpy, Matplotlib.

PROJECTS

Haneen

- Created a mobile solution which converts Arabizi/English to pure Arabic text using NLP Python NLTK, Rosetta API, Repustate API, and Java. The solution won 2nd place at the NYUAD Hackathon for Social Good in the Arab World 2019.

JoystGame

- Developed a multiplayer shooting game controlled by joysticks using Processing and Arduino in C++.

Flixster

- Developed an Android mobile application that allows users to browse movies pulled from the Movie Database API. Technologies used include Java (Android Studio) and XML.

TECHNICAL SKILLS

Java, Python, HTML/CSS – *(Advanced)*
C/C++, Javascript, XML – *(Intermediate)*
MySQL, Git – *(Intermediate)*
Keras, Numpy, Pandas – *(Intermediate)*

HONORS & AWARDS

- Won 2nd place at the NYUAD Hackathon for Social Good in the Arab World 2019.
- AnitaB.org GHC 2019 Scholar.

ACTIVITIES

Mentor

Paper Airplanes Women In Tech

📅 September 2019 – Present

- Remotely assisting women or non-binary people affected by conflicts in the Middle East in beginner web-development including HTML, CSS and Javascript.

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Member

NYU Cyber#

📅 November 2018 – May 2019

- Competed in challenges on cryptography and web exploitation as well as led sessions on cybersecurity.

COURSEWORK

Introduction to Computer Science | Discrete Mathematics | Algorithms | Data Structures | Database Systems | Software Engineering | Computer Systems Organization | Introduction to Interactive Media | Communications Lab | Android Development