ESTELLE ELIZABETH OCRAN

Self-directed and motivated Computer Science student

@ eeo259@nyu.edu   ⚲ New York, USA   % https://estelle-elizabeth.github.io.   ⚘ https://github.com/estelle-elizabeth

EXPERIENCE

Front-end Web Developer
NYU Online Services & Applications (OSA)

📅 May 2019 – Present   ⚲ 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.

Research Intern
Modern Microprocessors Architecture Lab, NYU

📅 May 2019 – July 2019   ⚲ Abu Dhabi, UAE

- Developed an algorithm to identify security backdoors and poisoned inputs in machine learning models.
- 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.

INTERESTS

- Software Engineering
- Web Development
- Machine Learning
- Computer Security

SKILLS

Java, Python, HTML/CSS	●●●●●
C/C++, Keras/Tensorflow/Matplotlib	●●●●○
Git, MySQL/SQLite, Javascript, Bash	●●●○○

EDUCATION

New York University

📅 August 2017 – May 2021

Bachelor of Science – Computer Science

- Minors: Interactive Media & Music

HONORS & AWARDS

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

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.

Shooting Game with Joysticks

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

ACTIVITIES

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.

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