

TOCHI ORAMASIONWU

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EDUCATION

Meta | Coursera

Front End Developer Certification

November 2022 – April 2023

Key Courses: HTML, CSS, JavaScript, Version Control, React, UX/UI, Data Structures and Algorithms

University of Toronto – 3.88 GPA

Toronto, ON, Canada

Master of Engineering (MEng): Mechanical and Industrial Engineering

September 2021 – November 2022

University of Exeter – First-Class Honours (4.0 GPA equivalent)

Exeter, England

Master of Engineering (MEng): Mechanical Engineering

September 2015 – July 2019

SKILLS

Programming: React, JavaScript, TypeScript, HTML, Sass, CSS, Python, MATLAB, Node, MySQL

Creative: Figma, Adobe Photoshop, Adobe After Effects, Adobe Animate, Blender 3D

Project Management: Git, CI/CD, Agile Project Management, Project scheduling

Soft Skills: Communication, Leadership, Problem Solving

WORK EXPERIENCE

GreenStreak Energies Ltd.

Lagos, Nigeria (Remote)

Front-End Developer – Freelance Contract

March 2023 – June 2023

- Custom built a static corporate website optimized with SEO and Open Graph protocol to improve client's web presence
- Led UX/UI design efforts by creating and presented empathy tools to guide the visual design and accessibility of the site
- Deployed and maintained React code and assets to continuously tailor the site to the client's changing needs

The Hospital for Sick Children (SickKids)

Toronto, ON, Canada

Clinical Research Project Assistant – Part Time

October 2022 – April 2023

- Developed and deployed a custom software to automate the compilation and insertion of patient records into the hospital's central database using Python; achieved a 95% increase in database submission efficiency
- Created an intuitive GUI for the automation software using Python's Tkinter library
- Published documentation on the automation software to communicate functionality and intended uses to it users

PROJECTS

PixelPraise Photo Rating Web App (work in Progress)

TypeScript, React, Node.JS, HTML, SCSS, Express.JS, MySQL

- Independently designed and developed a full-stack social web app where users can upload photos and leave feedback on other users' photos
- Designed themes and accents using SCSS to create a customizable UI and maximize user satisfaction
- Created custom login and sign-up pages with robust account authentication and security features
- Architected a MySQL backend database to securely store user account information and posts
- Engineered an Express.JS Rest API to communicate between the frontend and backend of the web app

Little Lemon Reservations Web App – Meta Front-End Developer Capstone

JavaScript, React, Node.JS, HTML, CSS, Figma

- Created user personas and scenarios to determine app requirements; created Figma prototype based on style guide
- Developed responsive web app that features a robust table-booking form with client-side inline validation
- Designed custom API to dynamically simulate and display availabilities of tables across restaurant locations
- Conducted unit and integration testing both manually and automatically using React Testing Library

Data Science Curriculum Design

Python, Pandas, Jupyter Notebook, Tableau

- Developed a web-scraper to search indeed.ca; determined the most in-demand data science skills with 87% accuracy
- Coded an algorithm to rank skill importance based on frequency of occurrence in web-scrapping results; referenced reputable course syllabi to determine optimal sequence for learning skills
- Visualized data using Tableau to convey the structure and timeline of the proposed curriculum

Political Party Sentiment Analysis

Python, Pandas, Jupyter Notebook

- Analyzed tweets against a custom set of keywords to determine the political party affiliations of Canadian Twitter users
- Trained and tested various machine learning and deep learning models for NLP sentiment analysis of election tweets
- Implemented a SVM ML model (best performer) on a new set of tweets; classified tweet sentiments with 72% accuracy