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-scarping 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