Vivienne O'Brien

London, United Kingdom | vivienneobrienis@gmail.com | +353867338890
github.com/vivienneobrien | vivienneobrien.github.io | www.linkedin.com/in/vivienneobrien

EDUCATION

MSc Computer Science (FT) Grade prediction: Distinction   **September 2019 - September 2020**

University of Birmingham, Edgbaston, Birmingham B15 2TT, United Kingdom
Grade so far (final result will be received after final project hand in in September): 77% (GPA: 4.25)

BA (Joint Hons) Education & Design (Specialisation: Visual Communication) II.I   **September 2014 - June 2019**

National College of Art and Design, 100 Thomas St, The Liberties, Dublin, Ireland
Throughout one year of my studies I was working full time as a Visual Arts & SPHE Post-Primary teacher while balancing my studies
and working part-time. My teaching portfolio can be seen here: URL: https://vivienneobrienis.wixsite.com/teachingportfolio
Extra Curricular Clubs & Societies:
University College Dublin Division 1 Basketball Team. Suas Education Programme Volunteer – 3 months teaching in Kolkata, India.

TECHNOLOGIES

- Design: Adobe Indesign, Adobe Illustrator, Adobe After Effect, Adobe Photoshop, Adobe Lightroom & basics of Cinema 4D.
- Front-end: React Native, Expo, React, HTML5, CSS3, Bootstrap & JavaScript.
- Backend: Java, Spring/ Sping Boot & Python.
- Database: Postgre SQL, MongoDB, Mongo Express & Postman.
- Data Science: Tensorflow, Keras, Pandas, NumPy & Matplotlib,
- Other: Docker, Git & Github.

WORK EXPERIENCE

Machine Learning Engineer   **Final Project**   **June - Current 2020**

- I will be investigating the impact of using word embedding representations of information related to COVID-19 on machine learning and deep learning models' ability to predict daily Forex spot price fluctuations.
- This will involve collecting data, understanding how elements of natural language can be fed to a neural network to produce interesting results, pre-possessing and organising the data to suit my classifier, determining ways of optimizing the model and procedures used to solve this problem, build a pre-existing classifier from scratch with my modifications and compare the results obtained with existing work.
- Technologies used: Google Colab, Jupyter Notebook, Python, Tensorflow, Pandas, Keras, Numpy & Matplotlib.

Co-Founder & Full Stack Developer   **Tattooder**   **May - Current 2020**

- This app matches users with tattoo artists.
- Front-end: Using React-Native and Expo Client on my IOS iPhone and Play Store Android to see how the interface would interact on both devices.
- UX/UI: Adobe Suite to create the brand identity and user experience of the product.
- Backend technologies used are Spring/ Spring Boot, Docker and Maden.
- Database used is MongoDB and Mongo Express.
- For unit testing Mockito is used.
- Weekly meetings are had where agile methodologies are introduced however instead of a daily sprint, we carry out a weekly sprint speech/demonstration lasting 5 minutes which gives the team an overall idea of the technologies each developer is working with to implement their task. This application should be deployed by the end of the summer.

Coding Mentor   **CoderDojo**   **September - November 2018**

- Broke down difficult concepts related to programming to 20 students from ages 6-18 not from technological backgrounds.
- Inspired students through projects to help them maintain a strategy to move forward and continue their programming adventure. Focused languages used: Scratch, HTML and CSS.

Graphic Designer   **The Rediscovery Centre**   **August 2018**

- Support teams of 40 teenages from the ages of 12-18 to create and design on a sustainable product brand by giving branding and marketing presentations, constructive feedback to help them bring their product to life.
- Technologies used: Adobe Indesign, Illustrator & Photoshop.

AWARDS

The Union Survives   **Best British Book Design & Production Finalist 2019 (Student Category)**

Project Output: A book which discusses how young people in Ireland define their gender identity.
URL: https://vivienneobrien.github.io/theunionsuvives.html