Philip George

BSc Computer Science and Mathematics

Motivated to make a real difference in the Healthcare Sector

✉ philipgeorge1337@yahoo.co.uk

📍 London, United Kingdom

🐙 github.com/pg328

📱 07484188198

in linkedin.com/in/philipgeorgeio

EDUCATION

BSc Computer Science and Mathematics
University of Exeter

09/2015 - 07/2019

WORK EXPERIENCE

Product Developer
Buyapowa

02/2022 - Present   *London, England*
Delivers an online referral marketing solution used my many international corporations (BT, HSBC, Vodafone, Tesco, etc.)

- Built and iterated on the new features the company has launched allowing clients to add influencers to referral marketing campaigns (React, Typescript, Javascript)

Full-Stack Software Developer
Metadataworks

11/2019 - 01/2022   *London, England*
A company offering a SaaS toolkit for metadata management, to increase discoverability, accessibility, interoperability and reusability of data.

- Led development on a greenfield search web-app to find and create health data concepts from/to a group of reference datasets, connecting different medical ontologies for NHS use.
- Successfully presented and demonstrated new features and sprint progress in stakeholder meetings with prospective clients, leading to their contract with us.
- Led development on main product front-end, a dataset browser (React, Typescript)
- Have given multiple company wide lectures / presentations on usability and accessibility.
- Led the conversion our front-end codebase to TypeScript.

Lead Web Developer
Exeter University - iGEM Team

06/2018 - 10/2018   *Exeter, England*
An international genetic engineering competition, students research syn-bio solutions and present their findings at a "giant" conference in Boston.

- Co-ordinated with a multidisciplinary team to subdivide project into milestones, with weekly meetings to establish progress and exchange ideas.
- Talked at length with many different accomplished scientists, industry partners and press about our project at the Boston conference. This required clear and concise communication at high level and in layman's terms, to ensure that they understand what it is that we did.

Contact : Prof John Love - j.love@exeter.ac.uk

SKILLS

React   Jest   Cypress   Typescript   Java

Groovy   Spring Framework | Grails   Node.js

mySQL   AWS   Python 3.6+   NumPy

MatPlotLib   SciPy   Tensorflow (Keras)

Selenium   WebPack   JavaScript   JQuery

Bootstrap 4   CSS3/HTML5   Kibana

Maven | Gradle   Public Speaking

Product Demonstration

PERSONAL PROJECTS

Decentralised Video Chat (2020 - 2021)
- Created a custom video chat for my partner and I while we couldn't see each other in person over the multiple lockdowns due to coronavirus.
- Added custom functionality that suited the use case (picture-in-picture, screen-sharing, and functionality without authentication or download).
- Technologies used: React and Typescript, using Firebase for the hosting and back-end, running on WebRTC.

Artificial Intelligence on the Generation of Music by emotional tone. (01/2020)
- In depth analysis of the literature around the subject as of 2019, looking at how we can use machine learning techniques in the composition of music, and whether we can control the emotions evoked in response to music.
- Produced an artificial intelligence built with a GAN, CRNN as generator and RNN as discriminator.
- Given a set of songs given valence and arousal (positivity and excitement) scores, the AI derived basic music theory on its own with noticeably different emotional output corresponding to its directive (demonstrated in generated audio outputs).

CERTIFICATES

User Experience Design - Brainstation
(04/2021 - 08/2021)
A 10-week course on UX Design

iGEM Competition Gold Medal (10/2018)
Medal awarded to the team for our research project and success in genetic modification of E. coli, to convert toxic Martian soil into oxygen and water

Exeter Half Marathon (2019)