PHOEBE ARROWSMITH
London
phoebearrowsmith@gmail.com

KEY SKILLS

Microsoft Office, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, SQL, MySQL, Java, Python, HTML, CSS, APIs, Power BI, Data Analysis, Andorid Studio, Visual Studio, Pycharm, Adobe Illustrator, Adobe Photoshop, JavaScript, XML, Figma, PHP, APIs

EDUCATION

Sept 2020 – July 2023, University of Exeter
Computer Science and Mathematics BSc, 2:1

Sept 2018 – March 2020, Glyn School, Epsom
Mathematics A-Level (A), Biology A-Level (B), Sociology A-Level (B)

Sept 2013 – June 2018, Rosebery School, Epsom
Mathematics GCSE (8), Science Trilogy GCSE (9-8), English Language GCSE (7), English Literature GCSE (6), Statistics GCSE (B), History GCSE (6), Sociology GCSE (A), Spanish GCSE (5), Textile GCSE (A*)

UNIVERSITY PROJECTS

APPLYING MACHINE LEARNING TO FOOD INTOLERANCE
For my final year dissertation project, I developed a web application that leveraged machine learning to help users identify potential food intolerances by analysing their food diary and symptom log data. The machine learning algorithm was developed in Python and analysed the users' data and identified any patterns or correlations between food and symptoms and these correlations were persisted in a MySql database. SQL was used to generate initial test data and the use of Generative Adversarial Networks (GAN) was explored to generate high volumes of test data. I developed a user-friendly web application with functionality to allow users to create a login where they could record their individual food diary and symptom log; the app also fed back the predicted food intolerances based on the correlation for users' diet. The user interface was developed using HTML, CSS, PHP, JavaScript and SQL. The Bootstrap framework was employed to facilitate streamlined front-end development.

MOBILE WEB APP - MULTI-USER GAME (Group Project)
Development of a mobile app game using HTML, CSS, JavaScript and Figma. The App encouraged students to go onto campus and engage with new people. Once logged in, the user was presented with a map of the university campus. Every user was assigned to a team and earned points by physically staying for a long time at campus buildings with their movements tracked using their phone location.

ANDROID MOBILE APP – COCKTAIL
Development of an Android mobile application using Android Studio, Java and XML. The app helped users to find cocktails they could make based on their preferred spirits, e.g. vodka, gin, whiskey etc. An open-source API was called which returned a list of cocktails that use the spirits the user has selected. By clicking on a cocktail, the user is then directed to a web page displaying information on the full recipe.

WEB APP – COVID
For my module on Web Development, I developed a website that would inform a user if they had a connection to a person infected with COVID-19. Once logged in, a user was able to add new places they'd

visited, report an infection and adjust the alert distance and time span for which the contact tracing would be performed. To do this I used HTML, CSS, PHP, JavaScript, Ajax, Sessions and Cookies.

EXPERIENCE

OCT 2023 to FEB 2024: TEMPORARY ADMINISTRATOR, EPSOM AND EWELL BOROUGH COUNCIL
Temporary contract working within the waste management and allotment operations departments. I used Excel to collate and analyse resident complaints and allotment tenancy data to provide management reports in Excel and Word. Additionally, I tracked and administered complaint cases on the CRM database.

JUNE 2022 to SEPT 2022: BARTENDER/WAITRESS ROLE, THE LEATHERHEAD GOLF CLUB

JULY 2019: OFFICE INTERN, BERKLEY HOMES

2018 to 2019: PRIVATE TUTORING

VOLUNTEER WORK

PUBLICITY SECRETARY – EXETER UNIVERSITY MATHS SOCIETY
I created engaging content for the society's social media platforms to inform members of the upcoming social events and academic talks. I also contributed to the overall growth and development of the society by actively participating in weekly meetings to offer ideas for improvement.

BROWNIE UNIT VOLUNTEER
I assisted in running a Brownie unit, helping to supervise Brownies and run various activities.

SPORTS & HOBBIES

At university I joined the Boxing and Netball Societies. I have continued learning self-defense techniques by taking Krav Maga classes.

I enjoy running, going to the gym, kayaking, paddle-boarding and playing golf. Creatively, I like to design and develop websites and make my own clothes. I also like going to the football and cinema. More recently, my sister and I have been creating content for our social-media fashion site.