CHOI LAM WONG

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**EDUCATION**

**2018-2022 University College London London, UK**

*MEng Computer Science*

**Performance:** Completed First 2 years with Avg. score *75*(A); Working towards First Class Honours.

**SKILLS**

* **Machine Learning:** Good understanding of principles of machine learning. Effective user of Python and PyTorch for ML implementations and SciPy for data analysis and visualization
* **UWP App development:** Experienced in UWP application with C# and XAML
* **Java Backend development:** Experienced in Spring boot back-end development, API designing, unit testing with Mockito and automated pipeline with Azure for build and deployment
* **MySQL:** Good Knowledge of managing database with MySQL workbench and accessing with JPA
* **Cloud Services:** Familiar with automated pipeline, web application and database services of Azure
* **Version control:** Great understanding of Git workflows for version control and team collaboration
* **Programming Languages:** Python, Java, C/C++, C#, Haskell
* **Multi-Language User:** Proficient user of Cantonese, Chinese and English

**EXPERIENCES**

**September 2020 – Jan 2021 Machine Learning for Soccer match result prediction**

*Participated in a group project to utilize various machine learning models to predict EPL match result using historical match results, relevant information pulled from the net*

* **Feature Engineering:** Referring to literatures, crafted features such as ELO ratings and recent strength of each team with Python and pandas
* **Model Evaluation:** Utilized pandas and matplotlib to analyze and visualize features; Evaluate and compare different models including DNN, random forest, etc. using cross-validation accuracy and F1-score.

**October 2019 – Jan 2021 Microsoft Eye-tracking Application Development**

*Working in partnership with Microsoft, designed and developed a UWP application supporting eye-tracking devices in order to provide entertainment for people with disabilities such as ALS*

* **Application Development:** Developed a UWP application with UWP and automated build with Azure
* **User Interface Design:** Designed and implemented the user interface for eye-tracker usage with the aids of specialists from Microsoft
* **Coordinating development:** Utilized agile methods to embrace changes in requirement and manage different code version with Git and GitHub.

**October 2019 – July 2020 AI for the Common Good Hackathon**

*In a group of 3, designed and developed a web application for refugee integration; won the third prize and was invited by British consulate in Paris to present the product*

* **Backend Development:** Developed the backend server with Java Spring Boot, JPA and MySQL
* **Database management:** Deployed MySQL database on Azure, managed it with MySQL workbench and accessed it with JPA
* **Testing and Deployment:** Utilized JUnit and mockito for unit testing; Employed Azure Pipeline for continuous deployment with Git