**Company :**

**AITALK** is in Cyberport Smart-Space 8, Tsuen Wan. We provide online phonic learning service to Kindergarten children and second language learners. Our current system can assess the pronunciation of English phonics and vocabularies based on the data collected from BBC and standard American English.

Now, we are developing Phonics AI Teacher based on the existing system with the AI technologies. The main merit of our Phonic AI teacher is interactive. It can understand the dialogues and answer to students even with Chinese accent. On the contrary, compared to services provided by Google or Apple, they cannot recognize spoken English with Chinese accent well because they were trained and designed for native speaker English but not for other learners.

With the strong technical background of our MPhil and PhD professionals, and more than 20 years R&D experience, we will launch our Phonics AI Teacher in 2020.

Now, we are looking for undergraduate and / or postgraduate ITC STEM Interns for the product development. We believe the vibrant university young talents may gain good practical experience in innovation and technology in our company. The following positions are open for application.

1. **Computer Vision Engineers (2 positions)**

**Key Responsibilities**

1. Develop a computer vision system;
2. Using computer CAM for user identification;
3. Using computer CAM for character recognition (e.g. A-Z, a-z, 1-9)

**Requirements:**

1. Preferably with experience in computer vision;
2. Experience in Python, C++ and Tensorflow;
3. Knowledge in deep neural networks;
4. Using open sources and cloud services;
5. Using open sources and neural network;
6. Preferably students of year 3 or above
7. **Analyst Programmer (2 positions)**

**Key Responsibilities**

1. Gather data from third party public sources;
2. Work with complex and large data sets;
3. Apply advanced analytical methods to process the data;
4. Transform the data into correct format;
5. Label the data correctly and manage the data into proper structure;
6. Work closely with cross-function teams to ensure the data quality;
7. Data visualization using different reporting software, such as Python.
8. Develop ah-hoc code on supporting web or data processing.

**Requirements**

1. Degree in computer science, software engineering, statistics, operations research; mathematics, physics, information systems or analyst relevant disciplines;
2. Experience in working with large data set collection and processing including extracting, transforming and labelling of data and analytical findings and insights is an advantage;
3. Proficient in one or more programming languages (Python, Java, Scala, C++, etc.);
4. A fast learner to understand data relevant problems and learn new data processing tasks;
5. Patient and detailed mind set;
6. Ability to work in a time critical environment and to meet deadlines.
7. Preferably students of year 3 or above
8. **Assistant Mechanical / Product Design Engineer (2 positions)**

**Key Responsibilities**

* To support Handheld battery operated Device development
* To assist 3D drawing from Concept into 3D CAD file
* To assist 3D prototype printing, sample making

**Requirements**

* Preferably engineering background
* With knowledge of Product Structure Design in 3D
* With knowledge of CAD software utilization. Knowledge of Open Source CAD/CAM software is preferred.
* With knowledge of Product Casing Reliability, Usability and Durability is preferred
1. **Chatbot Data Analyst (2 positions)**

**Key Responsibilities**

1. Build conversational NLU models and training data sets;
2. Mapping of the conversation domain and ensuring training data optimized for the NLU technology;
3. Build conversational flows and identify disambiguation in the dialogue.

**Requirements**

1. Preferably engineering student with good logical sense;
2. Preferably students of year 3 or above;
3. A fast learner to understand data relevant problems and learn new data processing tasks
4. **NLU Story Developer and Content Reviewer (2 positions)**

**Key Responsibilities**

1. Draft theme-based NLU stories, collect training data and build corresponding Intents;
2. Plan the classification of NLU (Natural Language Understanding) models and build efficient conversational flows;
3. Monitor and analyse the performance of these models and identify any anomalies, issues or areas for improvement, then plan and drive to implement these changes.

**Requirements**

1. Have knowledge and logical sense in modelling or programming languages such as Python;
2. Preferably have previous experience in preparing course or dialogue content especially for chatbot assistant;
3. Preferably students of year 3 or above;
4. Good command of English and Chinese;
5. Must be patient and enthusiastic

**\* Benefits:**

* 5 days work
* Flexible working hours
* MPF
* A monthly subsidy of **$10,500 capped at three months**

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