ITC STEM Internship Scheme 2021-22

Company: AITALK IT Limited

Position 1: Front-end programmer

Position 2: Back-end programmer

Brief Company Information

Our company is developing chatbots for AI teacher and Financial Institutions. The AI teacher teaches Kindergarten children and the second language learners English phonics and vocabularies through speech conversation, we are now enhancing its content. Besides, the Fintech chatbot uses Dynamic FAQ technology to enrich its knowledge in answering user questions.

In this Summer and last year, we had some STEM interns helping us to develop our chatbot. We are now looking for Winter Term STEM interns to work with us and practise their skills learnt at the university.

Position 1: Front-end programmer

Job Description

- Chatbot UI development for Web, Android and iOS
- Front-end speech and image recognition
- Develop App functions to support Chatbot content
- Develop an intelligent storyboard development platform for RASA (an open source chatbot)
- Develop front-end monitoring tool for system loading, resources utilization and optimization

Requirements

- Degree in computer science, software engineering, statistics, operations research, mathematics, physics, information systems or analyst relevant disciplines;
- 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;
- Proficient in one or more programming languages (Javascript, Java, Python, C++, Node.js, etc.);
- A fast learn to understand data relevant problems and learn new data processing tasks;
- Patient and detailed mind set;
- Ability to work in a time critical environment and to meet deadlines
- Preferably students of year 2 or above

Number of vacancies: 1
**Position 2:** Back-end programmer

**Job Description**
- Develop interactive chatbot to automate user data collection and FAQ services
- Natural language processing and semantic analysis algorithms for supporting the above task
- Develop Automatic chatbot testing system for chatbot performance test and assessment
- Security conscious policy for large scale system deployment, data administration, and subscription
- Develop monitoring system for system loading, resources utilization and optimization

**Requirements**
- Degree in computer science, software engineering, statistics, operations research, mathematics, physics, information systems or analyst relevant disciplines;
- 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;
- Proficient in one or more programming languages (Java, Python, C++, etc.);
- A fast learn to understand data relevant problems and learn new data processing tasks;
- Patient and detailed mind set;
- Ability to work in a time critical environment and to meet deadlines
- Preferably students of year 2 or above

**Number of vacancies:** 1

**Internship Period:** Winter break 2021/22

**Application Procedures**
Interested students should submit your application directly to the employer with your CV at your earliest convenience.

**Application:** admin@aitalkit.com