**Xianfeng (Alex) Zhuge**

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**CAREER OBJECTIVE:**

I am a Computer Science Honours Degree Graduate with 3 months of iPhone apps development work experience and website development for Minimi kindergarten. Seeking a position in Information Technology as a Software Engineer. I’m skillful to solve problems using Java/Python and other compiling languages (C, C++, C#) during the development. I also have database development skills and IOS apps development with many projects experience. I’m hardworking, innovative and always eager to learn new things. I’d like to further develop my career, bring great value and dedication to the role and.

**KEY SKILLS and ATTRIBUTES:**

* **Team Communication Skills -** Experience in team management and effective communication, the ability to consult the demands and technical problems between the clients and team members.
* **Project Management Skills and Leadership -**Budget control and division of work experiences, the ability to track the process, problem-solving, team communication and process reports to the stakeholders.
* **Teaching Skills –** Good at using analogy to explain the algorithms and data structure to provide students an impressive understanding of their features.
* **Languages –** Proficient in English and Mandarin

**EMPLOYMENT HISTORY**

**iPhone apps developer, Intern Nov 2020 - Feb 2021**

**TheOne Holdings group**

**Employer Description:** Leading an undergraduate students team that developing an iPhone apps of TheOne membership club by using swift and Firebase.

**Duties & Responsibilities:**

* Analysis design and development of TheOne Membership application, online the project to Apple Store and All the related Data to Firebase.
* Assistance with unit test. Resolution of complex problems and constantly look to significantly improve processes and programs.

**Full Stack Developer May 2020 - Jul 2020**

**Minimi Academy**

**Employer Description:** Leading an agile team as a project manager that developing a new webpage for Minimi Academy, a private kindergarten.

**Duties & Responsibilities:**

* Adding more functionality and features based on the previous website, long term web services such as Search Engine Optimisation (SEO) may be supported after the project deliberation.
* Stakeholder management that includes communication skills and requirement analysis.
* Leadership and training process including project introduction, Agile framework and division of work. Budget control for each stage and providing internship certificates to interns.

**Full Stack Developer May 2019 – Jul 2019**

**University of Sydney Technology**

**Employer Description:** Working a part-time job as a Developer helping Professor Zhou to finish his research.

**Duties & Responsibilities:**

* Based on the previous achievement from Data61, improving a new user 'buyer' which could purchase ML model and/or ML model evaluation through blockchain. Adding more evaluation based on uncertainty and accuracy of the test results and data provider feedback.
* The new front user interface has been created to test the availability of new data analysing structure - Uncertainty Performance Interface (UPI) in a professional testing processing.

**Achievements:**

The final project was delivered with a fully functional system framework based on an offline blockchain prototype.

**QUALIFICATIONS:**

**Bachelor of Science (Honours) in Information Technology Jul 2019 – Jul 2020**

**University of Technology Sydney**

* Honours year study focused on research, Explainable Artificial Intelligence (EAI) and Machine Learning (ML)
* Experienced with Data Analytics, SQL, full-stack website design and related framework structures.

**Bachelor of Computer Science and Technology Feb 2016 - Jul 2019**

**The University of Sydney**

* Relevant Coursework: Data Structure, Algorithms, AI, Database System, Project Management
* Learned to use C, C++ for compiling, full knowledge of Data structures, Algorithms and Database, with a great passion for Algorithms, AI and Machine Learning

**ACADEMIC PROJECTS:**

**Title:** Blockchain Boosted AI **Nov 2018**

**Objective:** Developing a system based on Blockchain to boost users trust in an ML model.

**Tools:** Ethernet, Flask, Django, Python, Web3

**Duties:** In the group of 3, my duties included writing code on the back-end with Ethernet building, constructing the framework using Flask and Django, compiled unit test for the project and wrote the report to explain the structure of the platform.

**Outcome:** The final project was delivered with a fully functional system framework based on an offline blockchain prototype, it has been tested by multilayer of testing including unit test, usability test and integrity test.

**Title:** Pokémon Generation **Jul 2018**

**Objective:** Implementation of the Pokémon image generation framework.

**Tools:** Python, Convolutional Neural Network (CNN), Deep Convolutional Generative Adversarial Network (DCGAN), Wasserstein Generative Adversarial Network (WGAN)

**Duties:** I created a Pokémon image generator using ML to generate new Pokémon. CNN has been used in primer processing.

**Outcome:** I received full mark for the assignment

**COMPUTER PROFICIENCIES:**

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| **Programming Languages:** | C, C++, C#, HTML, JAVA, JAVASCRIPT, CSS, PYTHON |
| **Operating Systems:** | Linux, Windows OS, Mac OS, Microsoft Windows (Word, Excel, PowerPoint, Outlook) |
| **Databases:** | MySQL, SQL, Apache Flink |
| **Frameworks:** | Django, Flask |

**REFERENCES:**

Available upon request.