Ai, Zixun

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Education

University of California, Irvine (GPA: 3.916/4.0; GMAT: 720; GRE: V-160 Q-168)   09/2013 – 06/2018
Bachelor of Science in Computer Science
- − Honor: Summa Cum Laude, Dean's Honor Lists, Outstanding Service by an Undergraduate, Phi Beta Kappa
- − Double Specialization: Systems and Software & Intelligent Systems
- − Relevant Coursework: Machine Learning via Minecraft, Principles of Operating Systems, Graph Algorithms

Bachelor of Arts in Political Science
- − Honor: Summa Cum Laude, Dean's Honor Lists

The London School of Economics and Political Science (LSE)   09/2018 – 12/2019
Master's in management

Projects

Paper Trading (A Stock Trading Simulator) *http://ai-zixun.com/paper-trading*   09/2019
- − Designed and implemented a full-fledged CRUD to simulate stock trading with functionalities such as placing orders, displaying user stock portfolio, stock chart and technical indicators, et cetera.
- − Utilized React with Material UI for front-end design, Spring Boot for back-end server, IEX Cloud API to get stock data, MySQL for relational database, Amazon AWS Elastic Beanstalk and Docker for deployment.

Little Ghost Chatroom (A Real-time online chat application) *http://ai-zixun.com/chat-app*   08/2019
- − Practiced the development of a CRUD application by using Python (Flask IO & Socket IO), React, and PostgreSQL.
- − The application allows user to send and receive messages on real-time, the user could also create different chatroom and fetch archived message.

Twitter API Application *http://ai-zixun.com/twitter-project*   07/2019
- − Learned how to work with external API to send and retrieve data. The application was built with Node.js (with Express.js) as back-end server to communicate with the Twitter API.

iOS and Android E6B Flight Computer *https://github.com/Ai-Zixun/E6BAndroid*   05/2019
- − Worked on and actively updating a personal project to provide myself an Android and iOS version of the E6B flight computer required for general aviation flight planning.
- − Learned to work with different public libraries, and XML syntax to design and implement modern mobile GUI.
- − Gained critical experience with drawing Android UI programmatically such as a Compass showing wind-correction.

Survival of The Fittest *https://mingh2.github.io/SurvivalOfTheFittest/index.html*   03/2017
- − Generated machine learning agents via implementing Q-Learning and Deep Q Network algorithm;
- − Deployed and tested the agent in Minecraft via Malmo API to learn how to survive under constant zombie attack in random generated environments.

Weather Predication (Team Rank: 8th; Teammate: Zijia Ke) *https://www.kaggle.com/c/uc-irvine-2017w-cs178*   01/2017
- − Utilized the bootstrap aggregation of a combination of KNN, Neural Network, and SVM machine learning algorithms;
- − Implemented our algorithms to predict rainfall at a certain location based on infrared satellite image information.

Skills

Programming Languages:
- − Proficient: **Java**, **Python**
- − Experienced: C, C++, x86 Assembly, R, MATLAB

Web Development:
- − Front-end: React, HTML, CSS, JavaScript
- − Back-end: **Spring Boot**, Flask IO, Node JS
- − Deployment: AWS Elastic Beanstalk, Docker

Efficiency:
- − Advanced: Git, Microsoft Office

Languages:
- − Native: Mandarin Chinese
- − Fluent: English
- − Some Instruction: Japanese

Credentials

Chartered Financial Analyst (CFA) Level II Candidate (Passed CFA Level I in June 2017)
U.S. Federal Aviation Administration Private Pilot Certification (Certification Number: 4025636; Airplane Single Engine Land)

Experience

Equity Bank Kenya Limited   **Nairobi, Kenya**
Relationship Manager Intern (Corporate Banking)   03/2018 – 05/2018
- − Assisted subsidiary Finserve Africa Limited on mobile banking Chinese language localization, testing, and debugging based on client's feedback; Led the promotion of subsidiary Finserve's Chinese language mobile banking platform.