Yong Zhou

PROFESSIONAL SUMMARY

Results-oriented Front-end Developer dedicated to creating and optimizing interactive, user-friendly, and feature-rich websites. Leverage analytical skills and strong attention to detail in order to deliver original and efficient web solutions, provide technical knowledge and expertise, build new websites from start to finish, and successfully manage a team of other software professionals. Designed and created an app to track user’s and their friends’ daily steps and health status. Implement the service for saving and broadcasting the running stats (steps and location) by AWS lambda and Redis.

TECHNICAL EXPERIENCE

**Programming Languages:** Java, Python, SQL, C++, HTML, CSS, JavaScript

**Software/Databases:** Visual Studio, Android Studio, Visual Studio Code, MongoDB, GIT, AWS, Excel, JQuery.js

**Operating Systems:** Windows XP, 10, Linux, Mac OS

**Hardware:** Eclipse

**Methodologies:** SDLC, Time Management, Project Management

**Others:** IDE, Jupyter Notebook, PyCharm, Dr. Java, Communication Skills

PROFESSIONAL EXPERIENCE

Aerospace May 2019 – Aug 2019

*Software Development Intern*

* Outperformed 85% overlay with ground truth on test data set and customized in collecting labeled samples and tune R-CNN parameters in improving classifier performance.
* Implemented Python scripts to standardize input format of JSON file to fit the requirement of the model for the grand-truth.

***Technologies: Python, Machine Learning, Tensor Flow, CNN***

BCTC technology Sep 2017 – Jan 2018

*Web Development Intern*

* Identified clients' preferences to design web pages by devising different techniques in server-side and client-side development.
* Implemented user login via third-party Oath protocol by using passport.js library to look up user info, create profiles and decode cookies.
* Created a MongoDB schema and module to save data in our data base and display products on different thumbnails to clients.

***Technologies: Node.js, MongoDB, JQuery.js, JavaScript, Bootstrap, React.js, HTML, CSS***

NSF Jun 2017 – Sep 2017

*Big Data Developer and Undergraduates Research*

* Implemented data cleaning and business logic to derive customers and products departmental KPI.
* Identified driving factors (customer purchase frequency, monetary decision, etc.) for downstream analysis and modeling for Customer churn statistics prediction.
* Developed Cross-validation that outperformed he baseline model by 4% to improve the supermarket decision making.

***Technologies: Python, Rapid Miner, Machine Learning (Topic Modeling), Scikit-Learn, Excel***

**PROJECTS**

**Mobile Application Development (Java) | Boston University, Nov 2019**

* Designed and Created an app to track user’s and their friends’ daily steps and health status.
* Implement the service for saving and broadcasting the running stats (steps and location) by AWS lambda and Redis.

***Technologies: Java, Google Fit API, Google Map API, AWS Lambda, Redis***

**Data Analysis on Tesla Inc’s Stock and Media | Boston University, Dec 2018 - Nov 2018**

* Evaluated effects of media sentiment on the predicted price of Tesla stock using regression analysis.
* Delivered real-time insights to help beginners and professionals trade through Shiny app deployed on AWS.

***Technologies: Python, R, Shiny, NLP, Machine Learning, AWS, R Studio***

**Bomber man 3D Game on Unreal Engine 4, Apr 2017 – May 2017**

* Worked with 2 other developers to develop a 3D version Bomber man from scratch using Unreal Engine 4.
* Created game playing AI for in-game characters using 3D blueprints graph.
* Established the logic behind and animating, such as planting, exploding, and animating the bombs.

**Role-Playing Game (C++), Dec 2016**

* Designed a zombie’s vs human role-playing video game with multiple files, classes and modules containing different functionalities.
* Applied OOP principle to encapsulate functionalities and make implementation extensible.

***Technologies: C++, OOP***

EDUCATION

**Bachelor of Computer Science**

**Related courses:** Applied Java in data structure, Algorithm, SQL | Tool of Data Science in Python | OOP system in C++ | Full Stack Dev | Tool of Data Science in Pandas, NumPy, Kmeans, SVM, etc

Boston University (Graduated: Jan 2020) Dec 2017 – Jan 2020

Hobbies

Reading | Guitar player | Cooking