XIYU YANG

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Never Give Up.

Education

2017.09-2019.01
MASTER DATA SCIENCE *Trinity College Dublin (Dublin)*
Foundation in Data Science.
- Data Analytics is the core course
- AI is Introduced from Machine Learning
- Information Retrieval and Web Search

2016.09-2017.10
BACHELOR COMPUTER SCIENCE *Maynooth University (Maynooth)*
Foundation in Computer Science and Software Engineering
- Software Engineering is the core course
- Algorithm and Data Structure to improve the efficiency of development
- Software Testing
- Team Work sharpens in Team Projects

2012.09-2015.09
HIGHER DIPLOMA COMPUTER SCIENCE *Shandong University of Technology(Zibo,China)*
Foundation in Computer Science and Software Engineering systems
- Software Engineering is the core course
- Algorithm and Data Structure to improve the efficiency of development
- Software Testing
- Team Work improves in Team Projects

Experience

2019.03
GOOGLE ONBOARD TRAINING *Google (Dublin)*
Through a combination of instructor-led presentations and technical demonstrations, learning how to get started with Google App Engine, Datastore, Storage, Kubernetes Engine, Compute Engine and Network. Leveraging the GCP Fundamentals course, accept technical training to get started as well as access to tips and tricks, industry best-practice and questions and answers from the GCP team

2019.01-Current
CCNA CANDIDATE *Cisco (Global)*
Study CCNA and Network Knowledge through online-course, to master new knowledge

2017.05-2017.09
IT CONSULTANT *Cui Hayes Co (Dublin)*
Work as IT consultant, which include hardware and software support
- In charge of Equipment procurement and support.

Projects

2019.02 -
2019.03
SEGMENTING AND CLUSTERING NEIGHBORHOODS IN TORONTO *(Data Analysis)*
This Project is to explore and segement the neighborhoods in the area of Toronto, a map of Toronto was created with neighborhoods superimposed on top by folium. Foursquare was introduced to populate the most common venues and clustered into different parts by k-means algorithm.
- Third part package includes: numpy,pandas,folium,geopy,matplotlib,sklearn and Foursquare API

2017.09-
2019.01
FOOD ONLINE-SHOPPING WEBSITE *(Vue.js + Django REST framework)*
This Project is to design an online-shopping platform.
- User Authentication, dynamic Permission, Authentication Validators for field validation.
- Form validation and dynamic Serializer
- Third party pay, Register and Login with Json Web Token
- ViewSet and Router to realize API and URL setting
- Djangofilter, SearchFilter, OrderFilter, Pagination, Mixins

2017.09 -
2019.01
CHAT-SERVER *(Java)*
This Project allows different users talk in the same time, with multi-threading and Asynchronized process capabilities.
- Project iterated and designed in Agile software development.

2017.09 -
2019.01
GITHUB USAGE ANALYSIS *(Flask)*
This Project is to analyze the usage of github in 2018 based on GitHub API.
- REST service based on flask in order to sumbmit a set of Github Repositorie (which is recognized as a list of strings "username/repo") Ranking.
- Integrate the back-end service and the front-end template

2016.09 -
2017.02
ANDROID DEVELOPER *Maynooth University (Maynooth)*
This Project is to design a Medical Calendar for potential patients to find a suitable doctor.
- Project management and designing components in Agile software development.
- Integrate the back-end and the front-end
- Improve User Experience in aesthetic

Awards

2017.10
CANDIDATE IN UPSTART *Citi (Group)*

2014.04
NOMINATE IN MATH MODELING CONTEST *ICM/MCM(North America)*
. Nominate in *ICM/MCM* contest in North America *(29216)* ($\pm$ 11000 team contenders).

2013.09-
2015.06
FIRST PLACE IN CLASS *Shandong University Of Technology (China)*
. Scholarship awarded

Software skills

Python, JAVA, Microsoft Office, Hadoop.

Operating systems: Windows,OSX, Linux(DevOps,Ansible, Docker etc.).

Certificates

2019.02
IBM DATA SCIENCE PROFESSIONAL CERTIFICATE *Coursera Course Certificates (IBM)*
IBM Data Science Professional Certificate Specialization by IBM and Coursera

Volunteers

2019.01 -
2019.02   **CHINESE NEW YEAR FESTIVAL** *Dublin City Council (Dublin)*

- For a better Cultural exchange

2017.09-
2017.11   **VTP** *Trinity College Dublin (Dublin)*

- promoting education as an enjoyable learning experience for children and young people in the area regardless of their socio-economic backgrounds.