Yiwen (Anicol) Liu

+1(508)872-5949| L.yiwen1997@gmail.com | Actively seeking for Full-time Entry Level Software Engineer Position

EDUCATION

Washington State University   **Pullman, WA 08/2015 – 12/2018**
  Bachelor of Art, Computer Science
North Seattle College   **Seattle, WA   09/2013 – 05/2015**
  Associate of Science, Computer Science

SKILLS

- Programing Languages: Java, C/C++, C#, Python, Swift, HTML/CSS, JavaScript
- Technical skills: iOS Application, Requests, BeautifulSoup, CoreML, REST, Information Retrieval, PostgreSQL, Git, WordPress, Linux

SELECTED PROJECTS

Pocket Tarot Divination (iOS Application)   **12/2018 – Present**
- Implemented the iOS Mobile Application with **Requests**, **Firebase**, **AVFoundation**, **CoreML** for Tarot Divination Service
- Crawled the Tarot Card image and explanation with Requests and **Beautiful Soup**
- Implemented **Cloud Based Backend** with Firebase to store the **crawled data**
- **Encoded** and **decoded** the data with AVFoundation by compressing the keywords to **QR code** to optimize the delay of data transformation
- **Predicting** the divination report with CoreML by modeling the input data

Plant VS Zombie (C#) *Individual Project*   **08/2018-12/2018**
- Designed the Application with the combination of **Creational Pattern**, **Structural Pattern** and **Behavior Pattern**.
- Used **Factory pattern** and **Decoration pattern** to create different Zombies since all zombies' bodies are the same and the only difference is on their accessories.
- Used **Observer Pattern** to keep on tracking of the Enemy List.
- Implemented the collision detection method with **"GameObjectManager"(GOM)** and **"GameEventManager"(GEM)** so that the enemies' status can be easily updated.

Yelp Database Application *Group Project*   **01/2018-05/2018**
- Implemented the Application with **C#** to extract useful information by running the queries on the Yelp data.
- Retrieved the large dataset with **REST APIs**
- **Parsed Yelp JSON** files with python and stored the data into **PostgreSQL**
- **Indexed** the data in the database to optimize the **query performance** which support varieties of filters
- Implemented **GUI** for users to refine the searching results with filters used to generate SQL queries

WORKING EXPERIENCE

Web Design in WSU CSSA   **Pullman, WA 05/2016 – 08/2016**
- Built the homepage of CSSA
- Implemented the pick-up service survey

Web Admin at DIANFAN Culture & Comm Co.   **Shanghai, China 05/2015 – 08/2015**
- Built the company's homepage to display the decoration View designed by the company
- Updated the website contents.
- Designed and implemented the chat features

LEADERSHIP

Vice President of Chinese Student Scholar Association   **08/2015 – 12/2017**
- Leaded 50 members to hold up an event presented by more than 500 people
- Sought more than $7,000 from the sponsors
- Leaded the Tech department to film and edit the promoting video