Weijie **Ju**

☐ (+1) 8586667067 | ✉ jwj04ok@gmail.com | github.com/jwj04ok | in www.linkedin.com/in/weijie-ju-23428419a

Objectives

To obtain a full-time Software Engineer (SDE / SWE) position

Work Experiences

Software Engineer Internship   *Diamond Bar, CA, USA*

WISCLOUD INC.   *July. 2020 - September. 2020*

- Design, implement sever applications
- Collaborate with product reliability team to test new features
- Analyse and optimize server applications for efficiency and reliability

Projects

Socket Server Development @Wiscloud Inc.   *Diamond Bar, CA, USA*

C++   *July. 2020 - September. 2020*

- **Socket Programming** to build a TCP echo server on **Linux** operation systems
- Improved server concurrency based on **epoll model / multi-threading** (more than 10,000 QPS)
- Full stack development on company web page based on **React / Django** framework
- Layout design for staff login portal based on **Bootstrap**

Software Development Project on Database   *San Diego, CA, USA*

C++   *January. 2020 - March. 2020*

- Developed a relational database management system **(RDBMS)** based on MVC and improved performance by indexing and caching
- Developed a buffer manager to build my own string library (templates and CRTP are used for abstraction)
- Developed a **JSON Parser** to deserialize JSON file into hierarchical data structure (based on STL)

Full Stack Development Project based on Django Framework   *San Diego, CA, USA*

PYTHON/HTML/CSS/JAVASCRIPT   *June. 2020 - July. 2020*

- Realized CRUD, Authentication, Authorization functions as a back-end server for Instagram like social media based on **Django** Framework
- Rendered navigation bar and toggle buttons based on **html/CSS/JavaScript** languages and **Bootstrap/Font Awesome** libraries
- Deployed the whole project on **Heroku** and used **Whitenoise** to serve static files

Skills

Programming Languages: Python, C++, R, MATLAB, HTML, CSS, JavaScript
Frameworks: Django, React
Tools: MySQL, Redis, Memcached, Git, AWS, Heroku, VSCode

Education

University of California, San Diego (UCSD)   *San Diego, United States*

MSC IN ELECTRICAL AND COMPUTER ENGINEERING-MACHINE LEARNING AND DATA SCIENCE TRACK   *September . 2019 - June. 2021*

- Accumulated **GPA 3.78**
- Courses included Software Development, Data Analysis and Machine Learning related courses

University of Liverpool   *Liverpool, United Kingdom*

BSC IN MATHEMATICS WITH FINANCE   *September. 2017 - June. 2019*

- Accumulated GPA **3.98 (top 5%)**
- Recruited to teach MATH261 Methods of Operational Research by an off-campus teaching aids company

Xi'an Jiaotong Liverpool University (XJTLU)   *Suzhou, China*

BSC IN FINANCIAL MATHEMATICS   *September. 2015 - June. 2017*

- Accumulated GPA **3.91 (top 5%)**
- Notable Coursework: CSE102 Algorithmic Foundation and Problem Solving, CSE 104 Data Structure

University of California, Los Angeles (UCLA)   *Los Angeles, United States*

SUMMER SCHOOL   *June. 2016 - August. 2016*

- Accumulated **GPA 3.56**
- Notable Coursework: COMPTNG 10A, Introduction to Programming (C++), STATS 20, Programming With R