

Weijie Ju

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

Objectives

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

Work Experiences

Software Engineer Internship

KNERON INC.

San Diego, CA, USA

January. 2021 - Present

- Design neural network structures optimized for mobile and edge hardware
- Development of AI profiling tools and Software performance bottleneck analysis of frameworks, tools, and run-time

Software Engineer Internship

WISCLOUD INC.

Diamond Bar, CA, USA

July. 2020 - September. 2020

- Design, implement sever applications
- Analyse and optimize server applications for efficiency and reliability

Projects

Pre-compiler Optimization @Kneron Inc.

C++ / PYTHON

San Diego, CA, USA

January. 2021 - Present

- Quantizing deep convolutional networks for efficient inference
- Code Refactoring and model profiling for improvement verification
- Modification of python scripts to optimize data flows in regression

Socket Server Development @Wiscloud Inc.

C++

Diamond Bar, CA, USA

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)
- Layout design for staff login portal based on **Bootstrap**

Software Development Project on Database

C++

San Diego, CA, USA

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

PYTHON / HTML / CSS / JAVASCRIPT

San Diego, CA, USA

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, Docker, VMware

Education

University of California, San Diego (UCSD)

MSC IN ELECTRICAL AND COMPUTER ENGINEERING-MACHINE LEARNING AND DATA SCIENCE TRACK

San Diego, United States

September. 2019 - June. 2021

- Accumulated **GPA 3.78**

University of Liverpool

BSC IN MATHEMATICS WITH FINANCE

Liverpool, United Kingdom

September. 2017 - June. 2019

- Accumulated **GPA 3.98 (top 5%)**

Xi'an Jiaotong Liverpool University (XJTLU)

BSC IN FINANCIAL MATHEMATICS

Suzhou, China

September. 2015 - June. 2017

- Accumulated **GPA 3.91 (top 5%)**