

Shijie Wang

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Objective

Seeking full-time software engineer intern.

Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

GPA: 3.76/4.00

- Expected Graduation May 2024

Jan 2022 – Present

Rensselaer Polytechnic Institute

Bachelor of Science in Computer Science

GPA: 3.97/4.00 (Summa cum laude)

- Chiming Tse '83 Scholarship
- Dean's honor list (all 3 semesters)

Sep 2020 – Dec 2021

Experience

Cloud AI Engineer Intern

Beijing Leader Tech Co., Ltd. *Beijing, China.*

- Participated in cloud-based development, assisted in training models supporting industrial inspection of small machinery parts.
- Utilized **TensorFlow** for feature engineering, model training, and model optimization of CTR (Click-through Rate) Prediction Model.
- Collaborated with the AI team to develop, test, and deploy CNN models, empowering Foxconn's Apple AirPods production line, and realized a 30% cost reduction.

May 2020 – August 2020

Data Analyst Intern

Shanghai Jiasheng Liquor Co., Ltd. *Shanghai, China.*

- Created database tables with various suppliers via a **Clickhouse** relational database.
- Observed in-depth patterns of one hundred thousand rows of sales data via PCA, K-Means, Factor Analysis, and Correlation Analysis in **Python** using **Numpy**, **Pandas**, and **Scikit-Learn**.
- Identified and reported the relationship between sales volume and regions to guide marketing strategies, resulting in a 12% increase in business revenue in the first quarter.

Jan 2020 – Mar 2020

Projects

MIPS Processor In C

A full gate-level circuit, representing the datapath for a MIPS ISA

- Designed and implemented the 5-bit decoder, 32-bit multiplexor, and some processor functions, including reading registers and writing registers.
- Helped redesign the data path to support I-type, R-type, and J-type Instructions.
- Provided component-level troubleshooting and tested the functionality of all components of the processor, including ALU, Control, Instruction/Data Memory.

QuanTesting

an open-source quantitative strategy backtesting system

- Extracted and cleaned OTC(Over-the-Counter) Fund data from EastMoney in **Python** using **Base64** and **BeautifulSoup4**.
- Created database tables and updated fund data via **MongoDB**.
- Constructed websites for data visualization and Integrated front-end and back-end via **Django**.

More personal projects available at github: <https://github.com/wsj20010128>

Skills

Languages: Proficient in Python, Java. Moderately experienced with C, C++, Dart, PHP, Rust, Javascript, HTML, SQL, Bash, LaTeX.

Softwares: Linux (Ubuntu, Centos), Vim, git, Docker, TensorFlow, PyTorch, Scikit-Learn, Flutter, Django, MySQL, MongoDB, Clickhouse

Concepts: Data Structures & Algorithms, Agile Development, Design Patterns, Computer Organization, Operating System, Machine Learning