

EDUCATION

- **University of California, San Diego** La Jolla, CA
Master of Science in Computer Science; GPA: 3.80 Sep. 2017 – Dec. 2018
- **Shanghai Jiao Tong University** Shanghai, China
Bachelor of Science in Electrical and Computer Engineering; GPA: 3.89 Sep. 2013 – Aug. 2017

EXPERIENCE

- **Intel Asia-Pacific R&D Center** Shanghai, China
Software Engineer Intern in BigDL Data Analytics Feb 2017 - July 2017
 - **Neural Network Modules:** Used script language to efficiently port NN modules from Scala to Python.
 - **Memory Optimization:** Developed a shared-memory mechanism among modules saving half memory usage.
 - **Graph Model Converter:** Built a graph converter in Scala converting machine learning models into graphs to accelerate the training of NN modules.
- **Ailibi Medical Technology Co.** Shanghai, China
Software Engineer Intern Dec 2014 – Feb 2015
 - **Website Development:** Built the company's official website using HTML/CSS/JQuery.
 - **App Development Docs:** Documenting user requirements and specifications for the company's mobile app.

PROJECTS

- **Triton HTTP Server - C++** April 2018 – April 2018
Built a web server implementing a subset of the HTTP/1.1 protocol specification using TCP socket programming.
- **UCSD Class Schedule Calendar Generator - Javascript** Feb 2018 – Feb 2018
Designed a chrome extension that can generate a calendar file by parsing the web page of UCSD WebReg.
- **RNN Music Generator - Python** Feb 2018 – Mar 2018
Implemented a char-based generative LSTM model and trained it to write songs.
- **XQuery Processor - Java, XML** Feb 2018 - Mar 2018
Developed a simplified XQuery compiler with ANTLR and Java JDOM2. Implemented an optimized join operator to accelerate the join operation. Used gradle to set up the project and manage package dependency.
- **Gossip Membership Protocol - C++** Nov 2017 – Dec 2017
Implemented a gossip membership protocol in an emulated distributed system.
- **Multiprogramming Support for Nachos Kernel - Java** Oct 2017 – Nov 2017
Designed a virtual memory management system that enables demand paging, lazy page loading and page swapping. Managed multithread programming using mutex, semaphore and conditional variable. Implemented file-related and process-related system calls for Nachos kernel.
- **Passive Entry Passive Start Smart Key System - Java** Jun 2017 – Aug 2017
Built an Android App for motor vehicle key control based on Bluetooth Low Energy protocol. Developed with FastBLE framework and implemented noise filtering algorithm.

PROGRAMMING SKILLS

- **Languages:** : C++, Java, Python, Scala, Javascript, SQL.
- **Tools:** : Git, TensorFlow, PyTorch, Docker, Gradle, Maven.