Xiao Xia

Email: xxia.200051@gmail.com | Tel: (858)539-3552

Web: xiaoxia42.github.io | Github: xiaoxia42

Recent Addr: 3869 Miramar St N, Mailbox 3315, La Jolla, California | zip: 92037

Educations

University of California, San Diego — Sept 2021 - Present
– M.S. in Computer Engineering

Fudan University — Sept 2016 – Jun 2020
– B.Eng. in Microelectronics

Awards

– 2018 Intel Cup Undergraduate Electronic Design Contest - Embedded System Design Invitational Contest 3rd place
– 2018 Fudan Ascendas Cup (1st place)
– 2018 Fudan University Innovation and Entrepreneurship Competition 3rd place

Professional Experience

Unity Technology
Project: Unity Distribution Portal - https://distribute.dashboard.unity.com/
Software Development Engineer Intern — May 2021 – Aug 2021
Advisor: *Yi Lin, Senior Software Development Engineer*
– Developed some front-end web pages written in React.
– Implemented several back-end GraphQL APIs in Golang.
– Integrated the UDP website with OneTrust Cookie Compliance.
– Replace the Support Form of the website with the Zendesk Support Form.

Amazon Web Service
Project: Apache MXNet, Apache TVM and Meta
Software Development Engineer Intern — Jun 2020 – May 2021
Advisor: *Yizhi Liu, Senior Software Development Engineer and Apache TVM PMC member*
– Developed Cython and Ctype FFI (Foreign Function Interface) for MXNet Ops (Operators).
– Implemented dozens of Meta Ops and complemented their test cases with TVM.
– Utilized several Meta type functions for inferring the type and shape of Ops.
– Developed Meta IR Passes to bring the Bring Your Own Codegen (BYOC) feature into Meta.
– Implemented BERT Model Module and ResNet Model using the Ops provided by Meta and benchmarked these deep learning models.

Suzhou Radiant Photovoltaic Technology Co.
Project: Website for PV Monitoring System
Software Development Engineer Intern — Sept 2019 – Jan 2020
Advisor: *Teng Cao, Senior Data Scientist*
– Employed Hibernate and JPA to access Firebird database, AJAX (Asynchronous JavaScript and XML) to asynchronously transform JSON data between frontend and backend.
– Utilized Spring Framework to realize data queries and build backend services.
– Developed frontend template constructed with Thymeleaf and visualized data using ECharts.

Professional Skills

– **Programming Languages**: C, MATLAB, Python, Cpp, Verilog, Java, SQL, Golang
– **Computer Skills**: Linux, Docker, Mission Planner, OpenCV, MongoDB, VMware, Gem5, Pin tools, Firebird Database, JDBC, JSP, XML, JSON, ECharts, Thymeleaf, LaTeX, AJAX, Markdown, HTML, CSS, Spring, TVM, React