Peiyuan Qi

+1 (213) 255-6802 | peiyuanqi@gmail.com | peiyuanqi.me

EDUCATION

University of Southern California   Los Angeles, CA
Master of Science in Computer Science   *Aug 2018 – May 2020*
Shanghai Jiao Tong University   Shanghai, China
University of Michigan – Shanghai Jiao Tong University Joint Institute (UM-SJTU JI)   GPA: 3.6/4.0
Bachelor of Science in Electrical and Computer Engineering   *Sept 2014 – Aug 2018*
Case Western Reserve University   Cleveland, OH
Exchange Program, 2017 Spring Semester   GPA: 4.0/4.0

PROFESSIONAL EXPERIENCE

Intel Asia-Pacific Research and Development Ltd.   Shanghai, China
Software Engineering Intern in Analytic Storage Team   *May 2018 – Aug 2018*
- Realized two HAS remote admin command line tool commands and improved HAS integration tests and documents;
- Implemented Hadoop Smart Storage Manage integration test scripts.

NVIDIA Semiconductor Technology (Shanghai) Co., Ltd.   Shanghai, China
Infrastructure Software Internship   *Aug 2017 – Apr 2018*
- Designed and developed a Perl Module to post more than 140,000 GPU simulation data per day to ElasticSearch, and visualized posted data using Kibana;
- Devised and implemented a Python package for Elastic Search data retrieve and data manipulation;
- Realized an auto-detecting and reporting commands error function module of GPU simulation software;
- Applied doc2vec and WMD algorithms to perform the software Bug Triage tasks to improve team debugging efficiency.

SELECTED PROJECTS

Distributed Transaction Settlement System   Jun 2018 – Jul 2018
- Developed a Distributed Transaction Settlement System based on Kafka, Spark Streaming, MongoDB and Zookeeper in a group.

International Programs Application and Management System   Apr 2018 – Aug 2018
- Developed the online system for UM-SJTU JI based on Laravel with around 1000 users;
- Completed Full-Stack development of users and applications management features.

TouchMore iOS and macOS Applications   Apr 2017 – May 2017
- Developed an iOS and macOS application to provide Numeric and shortcuts keypad.

Java/C-ish Interpreter in Racket   Mar 2017 – May 2017
- Developed an iOS and macOS application to provide Numeric and shortcuts keypad.

Network Application Layer Protocol Implementation   Apr 2017
- Designed an application layer protocol for server and clients to communicate and implemented with socket programming.

Pipeline CPU in Verilog   Nov 2016 – Dec 2016
- Implemented a pipeline CPU in Verilog with data and control hazard solutions.

Linux Shell in C   Sept 2016
- Developed a Linux shell supporting commands, pipeline and redirection features.

SKILLS

Java, Python, C++, Perl, C, PHP, Swift, Haskell, Bash, SQL, Hadoop, Zookeeper, Apache Kerby, Bootstrap, Laravel, Elastic Search.

AWARDS

2017 Interdisciplinary Contest in Modeling Honorable Mention | 2015 Mathematical Contest in Modeling Honorable Mention.

CAMPUS ACTIVITIES

Intelligent Internet of Things Research Center   Shanghai, China
Undergraduate Research Assistant   *Jun 2017 – Apr 2018*
- Doubled the concurrent database query speed for Acemap, an academic database and set up MySQL replications;

UM-SJTU JI   Shanghai, China
Teaching Assistant   *Sept 2015 – Aug 2017*
- Teaching Assistant of Introduction to Logic Design, Honor Calculus IV, Calculus IV, Honor Calculus I and Tech Comm.

Honor Council Member   *Sept 2016 – Aug 2017*
- Investigated violation cases of Honor Code and Participated in hearing.

International Program Office Student Assistance   *Mar 2015 – Dec 2016*
- Led a 10 assistants team and organized more than 10 times field trips.

LANGUAGES

Chinese: Native | English: Proficient | French: Intermediate.