

MUKAI NONG

<https://mukainong.github.io>

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Objective: Mid-to-Senior position as software developer

EDUCATION

University of Southern California

Master of Science, Computer Science

Jan. 2016 - Dec. 2017

Overall GPA: 3.55/4.00

State University of New York at Stony Brook

Honor Bachelor of Computer Engineering (Minor: Computer Science)

Aug. 2012 - Dec. 2015

Overall GPA: 3.68/4.00

WORK EXPERIENCE

Goldman Sachs Group, Inc.

Software Developer, Credit Risk Tech Team

Manhattan, New York City

Feb. 2018 – Now

- Building apps for calculations & internal tools

Demandforce, Inc.

Java Developer Intern

Los Angeles, California

Sept. 2017 – Dec. 2017

- Restructured the existing code base and detach unnecessary dependencies, updated the documentations
- Set up application in Docker, designed and coding new features, collaborated on finding and fixing bugs
- Assisted with all aspects of product life cycle from specifications thru QA via JIRA tickets

Goldman Sachs Group, Inc.

Software Developer Summer Intern, Credit Risk Tech Team

Manhattan, New York City

May. 2017 – Aug. 2017

- Built new generation Scala application to simulate pricing model of financial products (securities, derivatives)
- Set up Scala application on GPU to accelerate computing via OpenCL APIs, which increased performance 40 times
- Participated in the regular code reviews with managers and finally released the application into production

EC Infosystems, Inc.

(Embedded) Software Developer Intern

Long Island, New York

Jun. 2016 – Aug. 2016

- Worked on ARM based i.MX287(Freescale) BSP on Windows CE 6.0 platform for smart home device
- Configured OS image settings for RAM memory mappings & developed Device Driver for EEPROM

TECHNICAL SKILLS (source code on: github.com/mukainong/)

- Programming: Java SE, Java EE, JavaScript, PHP, Swift, C/C++, Scala, Pig Latin, SQL, Assembly
- Database & Big Data: MySQL, PostgreSQL, spatial DB, NoSQL, Hadoop, Spark, R, WEKA, DM algorithms
- Web: REST, Spring MVC/Boot, JSON, XML, HTML, CSS, AJAX, jQuery, Bootstrap, Angular.js, Node, D3.js
- Technologies: Git, OOP pattern, Android, iOS, Maven, sbt, IntelliJ, Eclipse, Fetch, Docker, JIRA
- Financials: Securities (Forward, Swap) pricing, NPV calculation, American Monte Carlo CVA simulation

PROJECTS (more updated on: <https://www.linkedin.com/in/mukai-nong-276391b0>)

US Congress Search (Single-page Responsive Web Application)

Fall 2016

- Built Bootstrap responsive web application, using backend PHP scripts to access database via JSON API
- Used Local Storage for user preferences, Angular.js for Pagination & AJAX transactions, running on AWS

University Registration System (Java EE Web Application)

Fall 2015

- Built Java EE web application, by using MVC model (JSP, Servlet & Bean) and have login & register UI
- Built MySQL relational database connection, by using JPA connection tool which runs on top of JDBC
- Used Tomcat server container, and MySQL Workbench to administrate four table schemes using SQL