LARRY WANG

Address: Los Angeles, CA 90007 || Cell: (213) 429-5650 || larrywong9898@gmail.com

LinkedIn: https://www.linkedin.com/in/larry-wang-00040619a/

Graduation Date: 12/2022 **Seeking for 2022 full time SDE position**

EDUCATION

University of Southern California 08/2020 – 12/2022

Master of Science in Computer Science, GPA: 3.3/4.0

Courses: Analysis of Algorithms, Advanced Mobile Devices and Game Consoles, Web Technologies, 3-D Graphics and Rendering

Shanghai Ocean University 09/2016 – 06/2020

Bachelor of Engineering in Computer Science, GPA: 3.6/4.0

Courses: Basic Programming(C), Assembly Language, Compiler Principles, Java Design Patterns, Operating System, Linear Algebra, Discrete Mathematics, Database System, Algorithm Design, Data Structure, Image Processing, etc

SKILLS

Programming: Python, C/C++, Scala, Java, HTML, CSS, JS, SQL, etc
Software and Platform: Hadoop, Spark, Unity, MySQL, Django, Spring, Android, Raspberry Pi, Matlab, OpenCV, OpenGL, etc
Other: Network routing and switching

WORK EXPERIENCE

Cadence Design Systems, Inc. *Shanghai, China*
Software Engineer Intern 07/2019 – 06/2020
Project Name: Chip design optimization based on big data platform on Hadoop and Spark
- Count boxes in a chip design with Geospark
- Set up Hadoop cluster with Spark
- Plot correlations between different chip stages
- Search shortest path in a pin graph using Graphx

Snowlake-Tech *Shanghai, China*
Software Engineer Intern 07/2020 – 10/2020
Project Name: Hyper biology computing system based on molecular dynamics
- Design molecule dynamics processing architecture with team
- Test bits of precision for hardware
- Generate atom and molecule group input data
- Implemented molecular dynamics formula
- Calculated non-bond force and bond force between atoms

Chinan Asset Management Co., Ltd. *Shanghai, China*
Software Engineer Intern 06/2021 – 08/2021
- Built up database using MySQL for financial data storage
- Fetch stock data from various sources such as Wind, Choice, Suntime, etc
- Assisted in constructing the factor analysis platform
- Predicted stock buy and sell timing by implementing BOLL, MACD, RSI models

PROJECTS

Fish Image Classification 04/2017 – 11/2018
- Build up web server with Django
- Using Ajax to transfer data between frontend and backend
- Frontend UI design with Tencent language wxml, wxss
- Deployed prediction model to backend for image classification

Weather Forecast App 09/2021 – 12/2021
- Designed a weather forecast page by using HTML, CSS, JS
- Separated the frontend and backend with AngularJS, Bootstrap and NodeJS
- Deployed applications to AWS and GCP
- Get weather information through RESTful API
- Implemented an alternative IOS frontend client