HE HAOWEI

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Objective

- Software engineer; AI-related internship; Programmer; Machine Learning; Technician; Computing-related internship; Backend developer; Full-stack development

Education

BACHELOR OF COMPUTER AND ENGINEERING | EXPECTED GRADUTING TIME: DECEMBER/2020 | NATIONAL UNIVERSITY OF SINGAPORE (NUS)| SM2 SCHOLARSHIP

- Major: COMPUTER ENGINEERING
- Minor: ECONOMICS

HIGH SCHOOL IN TONGWEN MIDDLE SCHOOL | GRADUTING TIME: JULY/2016 | JIUJIANG TONGWEN MIDDLE SCHOOL|TOP STUDENT

Skills & Abilities

- C, C++, Java, python
- Agile Web Development
- Big data technique: Hadoop/Mapreduce; Spark
- Selenium
- Automation Test
- PHP
- SQL
- JavaScript, Bootstrap
- Object-oriented programming
- Git
- IoT
- Software development
- good communication skills
- Skilful in programming algorithms
- Good Microsoft Office application skills

- Able to handle both software and hardware problems
- Able to work independently, self-motivated and responsible
- Strong team player with good organizational and interpersonal skills
- Wireshark software
- Machine Learning
- Learning AI in progress
- Language: English, Chinese

Working Experience

BACKEND SOFTWARE ENGINEER INTERN| PAYPAL | 13/01/2020 – 19/06/2020
- RedShift Project
- The use of docker and big data technique
- Redshift deployment
- MySql database use, database migration
- Build a backend product to collect and classify error messages from all the log files using Golang
- Build checkbox filter and add frontend features using Reactjs
- Handle full stack developments
- Design the project with teammates
- TeamWork
- Able to work remotely and in cross-country environment

SOFTWARE ENGINEER INTERN| UFINITY | 13/05/2019 – 02/08/2019
- Manage a project SLS for MOE
- Agile Web Development
- Test Code: Automation Test, Unit Test, Smoke Test, Sanity Test, Integration Test, Regression Test
- MySQL query
- Java
- Selenium
- Test story, story outline
- TeamWork

PART-TIME IT SUPPORT AND C++ TRAINER| ST. HUA PRIVATE SCHOOL | 01/2019 – 04/2019
- Maintain the company's website, help to prepare for relevant projects. Deal with admin tasks, conduct C++ training courses.

Project and Programming Experience

PROGRAMMING LEARNING HISTORY | 2008 - 2019

- Learn software programming since primary school Won many programming awards in China

SM2 SCHOLARSHIP | MINISTRY OF EDUCATION IN SINGAPORE | 07/2016 – PRESENT

- SM2 full-Scholarship

RECOMMENDATION SYSTEM| NUS CS4225 PROJECT | 02/2020 – 03/2020

- Good use of Hadoop/MapReduce
- Able to write mapper and reducer function
- Able to design the IO of each mapper and reducer

STACKOVERFLOW QUESTIONS CLUSTERING BY IMPLEMENTING K-MEANS ALGORITHM IMPLEMENTATION | NUS CS4225 PROJECT | 03/2020 – 04/2020

- Good use of Spark
- The use of scala
- Good sampling and designing of the question vectors.
- Able to implementing k-means algorithm without using related APIs.

THE GATAWAY TO THE ARTS (MACHIE LEARNING PROJECT)| NUS CS3244 PROJECT | 08/2019 – 11/2019

- Good use of basic machine learning technique
- Transfer learning, CNN, neural network, data resampling, model training, general classification methods
- Python library used for machine learning: sklearn, pandas, keras, etc
- Kaggle project
- Good teamwork skills.

HEALTHCARE IOT DEVICE | NUS CS3237 PROJECT| 08/2019 – 11/2019

- The basic use of IoT
- The use of mqtt communication protocol between server and client
- Use of Odroid (A linux system platform)
- ECG data analysis
- Machine Learning technique use for data classification
- Ubidots use for monitoring real-time data
- Good teamwork skills

CROWDFUNDING PROJECT| NUS CS2102 PROJECT | 07/2018 – 11/2018

- Good use of both the PHP and Javascript code.
- Good debugging skills.
- SQL Using
- PHP programming
- Good teamwork skills.

NUS INNOVENTURE PROJECT| NUS ENGINEERING| 08/2017 – 05/2018

- NUS Innoventure project competition top4

- Brainstorming for a product for PSA to detect the misalignment of the containers
- Responsible for putting the idea into the actual use.
- Cultivate a good sense of service and teamwork spirit.

JALIL ENTERPRISE PROJECT | NUS CS2113T PROJECT| 07/2018 – 11/2018
- coming up with the features and implementing, code writing
- Manage the lost and found function of the app.
- Good debugging for the app.
- Java programming
- Github using
- Object-oriented programming
- Good teamwork skills.
- App development
- Github: https://github.com/CS2113-AY1819S1-T12-3/main.

SMART LIGHT PROJECT| NUS CS3211 PROJECT| 01/2019 – 03/2019
- The basic use of IoT
- The basic use of PAT language
- Analysis of attackers
- Good team-work skills

WATERMAN-SMITH ALOGRITHM PROJECT | NUS CS3211 PROJECT | 03/2019 – 05/2019
- Master concurrent and parallel program
- The use of x10 programming
- The skills of algorithm analysis
- Team-work skills

Volunteer/Other Experience

LEADER| NUS "IF YOU ARE THE ONE" ACTIVITTY | 01/2019 – 04/2019
- Lead the "If YOU ARE THE ONE" activity in NUS
- More than 600 people attend the activity
- Leadership

ORGANIZING COMMITTEE| LIONS BEFRIENDER | 08/2018 – 12/2018
- Organizing activities for elderly
- Leadership

GLOBAL VOLUNTEERS| AIESEC | 05/2018 – 07/2018
- AIESEC Volunteers in Poland
- Teach in local primary schools
- Share culture in English to people in Poland

- Share my university experiences

VOLUNTEER FOR YMCA| YMCA | 2017

- Sell goods to earn money for kids in need

- Communication skills