Zhengyuan Wang

**Developer**

Zhengyuan Wang is a developer with 4 months of experience working in Thoughtworks. He is currently focus on security hardening, vulnerability detection and java development.

# Working Experience in Thoughtworks

## Sep 2022 - Dec 2022: Melco resorts security consulting in Wuhan

As a security engineer, Zhengyuan was involved in the following.

1. Resolving 15 security issues, involving 15 servers including jetty, OpenSSH, SSL, HSTS and MySQL components.
2. Writing code for the alert email module, sending emails to different recipients according to the frequency of alerts.
3. Responsible for the operation and maintenance of the big data platform and security event troubleshooting

Knowledge and Skills Involved: Java, scala, Nmap, MySQL, Linux

## Aug 2022 - Sep2022: TWU-C in Xi’An

As a software developer, Zhengyuan was involved in the following.

1. Developing new features based on spring boot framework on a legacy system of a shipping company, involving shipping class matching, shipping order management, using MySQL database for data storage and CRUD operations.

2. Implement Jenkins to perform CI/CD on the project.

3. Front-end page development on React framework using JS and CSS and ensuring functionalities are effective by concatenating with the back-end.

Knowledge and skills involved: Java, JS, Spring Boot, React, MySQL, docker, Jenkins

# Working Experience outside Thoughtworks

## Sep 2019 - Aug 2022: Institute of Data Science, XATU.

Institute of Data Science is a scientific institute of XATU. His contributions could be observed throughout the lifespan of this project:

1. Building a vulnerability data platform and collecting 90k+ of source code vulnerability data and data analysis.

2. Implementing the extraction algorithm of vulnerability data features to characterize the source code in a formal way.

3. Implementing a deep learning-based vulnerability detection model, achieving an accuracy rate of 84%.

4. Published 6 academic papers, including 4 SCI papers.

Knowledge and skills involved: Python, Antlr4, MSSQL, C++.

## Aug 2016 - May 2018: Moge Studio, Guangzhou.

His contributions could be observed throughout the lifespan of this project:

1. 2D design.

2. Graphic Method Design

3. Management of daily affaires of the studio

# Knowledge and Skills

* Familiar with Deep learning and frameworks such as Pytorch, tensorflow.
* C/C++ reverse engineering, security hardening
* Ollydbg, IDA pro, burpSuite, OWASP ZAP
* Familiar with Java, JS, Python, knowledge of C/C++, Scala, Kotlin
* Have experience with front-end/back-end development

# Education

**Jan 2019 - Aug 2022:** Xi’an Technological University, Xi’an.

Majored in Information Security.

Conferred Master of Computer System Architecture.

**Aug 2012- July 2016:** Guangdong University of Foreign Studies, Guangzhou.

Majored in computer science.

Conferred Bachelor of Engineering.