

# LUYUAN HE

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## EXPERIENCE

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### Senior QA Engineer, Shanghai Rising Digital Co.,Ltd

May 2018 – January 2019

- Led a four people team in charge of assuring the quality of the company's mobile app
- Wrote and executed automated tests using Appium library which saved 10 minutes per test case on average versus manual testing
- Managed and debugged operation systems running on the company's excavators

### System Engineer, Lenovo Mobile Communication Technology Ltd

April 2016 – May 2018

- Created an automated testing platform for performance testing on Android phones which covered all steps from downloading a new OS to generate an online report, saved more than 90% testing time and work, using Python and AndroidViewClient library
- Implemented Android Vendor Test Suite on Android phones
- Solved anomalous performance issues of Android phones

### Database Manager, Gujia Network Science and Technology Co.,Ltd

July 2015 – April 2016

- Implemented web crawlers to search and parse valuable data into company's database written by Groovy and Python. It increased the amount of data added into the database daily by 50 times compared with manual entry
- Worked pro-actively to gauge the performance of the database and wrote scripts to achieve the optimal results
- Designed and managed the company's MongoDB database

### Android Developer, Binpit Information Technology Ltd

August 2014 – June 2015

- Developed an Android application that uses user's photos to create stickers which then can be used on instant message applications using Java
- Debugged and updated the company's other applications
- Maintained and updated the company's website

## EDUCATION

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### Master of Information Technology, University of New South Wales

March 2019 – January 2021

- Average WAM: 75+ (Distinction)
- Relevant Coursework: Security Engineering (Distinction), Web Application Security (Distinction), Security Assessment

### Bachelor of Computer Science, Mississippi State University

July 2009 – December 2013

- Awarded a 40% tuition equivalent grant for excellence

## PROJECTS

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**FilmFinder:** An online movie database and community developed using Python, Django and SQLite

**Pokédex:** A Pokédex with GUI using Python and Qt

## ACTIVITIES

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### CyberCX Hackathon

November, 2020

- A hacking capture the flag competition focused on web security
- Participated in the event and finished in 24th position of Shadow Bank challenge

### DownUnder CTF

September, 2020

- A jeopardy style CTF included OSINT, crypto, forensics, pwn and web categories
- Participated in the event and solved challenges worth 730 points

### AWS Technical Essentials Day

July, 2019

- Completed the training on AWS essentials