**ZIWEI LI** zli260@jh.edu +1 667-910-1614 github.com/liziwei01

**EDUCATION**

JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD

**Master of Science Degree in Security Informatics:** Expected December, 2023

**Course Work**: Web Security; Language-based Security; Mobile and Wireless Security; Cryptography; Computer Intrusion Detection; Ethical Hacking; Mobile Device Forensics; Planning and Managing Projects

The Chinese University of Hong Kong, Shenzhen, Guangdong, China

**B.S. in Computer Science and Engineering:** May, 2022

**Course Work**: Software Engineering; Database System; Data Structures; Design and Analysis of Algorithms; Operating Systems; Distributed and Parallel Computing; Cloud Computing; Microprocessors and Computer Systems

**TECHNICAL SKILLS**

**Programming**: Golang (Gin); C++; Python; JS; CSS **Databases**: MySQL; Redis

**Security**: XSS; CSRF; SSL/TLS; Prototype Pollution; SQL Injection **Server**: Nginx; Docker

**WORK EXPERIENCE**

BAIDU GLOBAL BUSINESS UNIT, Shenzhen, China

**Back-End Engineering Intern** Feb – Aug, 2021

* Updated and maintained content management systems (CMS) for Simeji Japanese Input and Gravity (both built on Golang), and fixed several bugs in previous codes.
* Undertook migration of the old Java-based cloud configuration platform, analyzed and tested different migration plans, and designed the front-end GUI.

**Tools**: GDP (Golang Framework); ODP3 (PHP Framework); AMIS (FE Framework); Opera (Cloud Computing); Baidu iPipe (Piping), Amazon EC2 & EKS & S3 (Cloud Computing and Storage); MySQL; Redis

JI’NAN ZHUORUAN INFORMATION TECHNOLOGY, Ji’nan, China

**Software Engineering Intern** Jun – Jul, 2020

* Compiled an evaluation report of an industrial traditional Chinese medicine identification system platform.

**COURSE RELATED PROJECTS**

**Machine Learning in Command Classification (Web Security Course)** Sep – Nov, 2022

* A model trained by Keras that can classify security and insecurity commands.

**Team Leader: Blog Website (Software Engineering Course)** Feb – May, 2022

* As the leader of backend team, plan requirements, control progress, and cooperate with frontend team.
* Developed a web blog application’s backend by Golang with Authentication System (JWT), Database System (Redis, Mysql and Aliyun OSS) and Log System.

**Enhancement of Dim Imaging Enlargement using Super-Resolution CNN** Aug – Dec, 2021

* Developed a dim-specialized SRCNN model (D-SRCNN) by Python that can increase the running speed by reducing the size and the number of SRCNN filters and improve the image quality of enlarged dim image.

**Team Leader: Golang Utils Lib (Database System Course)** Feb – Aug, 2021

* Developed an abstract code base for back-end services built on Golang to enhance product operations.

**Assembler for MIPS & MIPS Simulator (Operating System Course)** Feb – Jun, 2020

* Designed a basic assembler that can assembles input and generates an “executable” file.
* Designed a simulator that can take a MIPS code input and simulate the execution.