Benjamin Jianbin Lin

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EDUCATION

The University of Texas at Austin, Austin, TX   August 2016 - Expected May 2020

Bachelor of Science in Computer Science & Mathematics

  GPA: 3.56

  Honors Include: Dean's Honor List; Distinguished Scholars

Relevant Coursework: Software Engineering, Mobile Computing, Modern Web App, Ethical Hacking,
  Neural Network, Artificial Intelligence

WORK EXPERIENCE

OKAY Ltd. Melbourne, Australia   June 2019 - August 2019

Software Engineer Intern

- Designed, developed, and tested a native Android application including UI and core functionality.
- Deployed an MVP (Minimum Viable Product) of a *Second-hand Exchange Platform* WeChat Mini-Program using Taro.
- Implemented the back-end using NodeJS Express and MongoDB to constructed models and handled requests based on RESTful API.
- Documented all components and files to help future developers to maintain the codes.

SELECTED PROJECTS

Security   April 2019 - May 2019

- Conceptualized and developed an *Automated MySQL Password Testing Tool*, which automated penetration testing with a single command line in Kali.
- Used PyMetasploit as a communication bridge between Python and Metasploit.
- Used Metasploit and John-the-Ripper to test password robustness for a range of target hosts' databases.

Web Development   June 2018 - August 2018

- Designed and developed a dynamic website about animal conservation.
- Team leader of five students and main coder, dividing responsibility among group members, set clear goals, and schedules for different phases using Gitlab.
- Implemented components including listing, sorting, searching, and filters using React and Redux.
- Used python Flask and MySQL to constructed models and handled requests based on RESTful API.
- Separated front-end and back-end using Docker and hosted on AWS.
- Unit tested codes with Selenium (GUI), Mocha (JS), and Postman (API)

TECHNICAL SKILLS

Programming Languages: Python, Kotlin, Java, JavaScript, C/C++, MATLAB, R, SQL, Linux Bash

Web Frameworks: React & Redux, Flask, Django, Express, Taro, Spring, Servlet

Tools: Metasploit, Postman, Selenium, PyTorch, Docker

Systems: Ubuntu, Kali