

葉家郡

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Experienced, skilled programmer, hands-on experience in UNIX programming and command-line interface environment. Strong problem solving skills. Focus on high availability and fault tolerant distributed system technologies now.

Working Experience

- Jun 2018-Present **COBINHOOD, Ltd.**
Software Engineer
cryptocurrency exchange features.
- Jun 2017-Jun 2018 **Taipei Exchange**
Software Engineer
core systems development and maintenance.
- Introduced RPM Package Manager into system installation procedure, reduced 40% time for building new machine.
 - Analyzed receiving multicast packet loss problem, peak loss rate reduced from 50% to 0.2%.
 - Developed new message dispatch gateway and conducted secure file transfer method to replace plain design for Web client.
 - Researched distributed system and consensus algorithm, proposed next generation online transaction processing system design based on application-level approach.
 - Optimized old continuous data transfer system to 110 times faster and solved several race condition bugs, developed a cross platform new one by event-driven design with backward compatible.
- Sep 2015-Apr 2017 **NCTU Information Technology Service Center**
Part-Time Software Engineer
full-stack web development.
- Migrated 4 mail services and thousands of accounts to Google G Suite service and developed NCTU G Suite mail system using the microservice architecture.
 - Developed firewall plugin system integrates WAF with switches.

Education

- 2015-2017 **MSc, Institute of Computer Science and Engineering** National Chiao Tung University
Thesis title: MCTS-based Path Exploration for Symbolic Execution
Teaching Assistant: Basic Programming
Relevant coursework:
- Software Testing
 - Operating System
 - Parallel Programming
 - Advanced UNIX Programming
 - Network Security
 - Network Programming
- 2011-2015 **BSc, Computer Science** National Taichung University of Education
Teaching Assistant: Programming

Skills

- Computer Science
- Symbolic Execution
 - Distributed System
 - Performance Tuning
 - Software Security
- Computer
- Linux Programming

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| Programming | <ul style="list-style-type: none">• Network Programming• System Software |
| Tools | <ul style="list-style-type: none">• gdb, git, unix cli, vim, gnu make |
| Programming Languages | <ul style="list-style-type: none">• Proficient: C/C++, Bash Shell Script• Intermediate: PHP (Laravel), C# |

Awards

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| May 2015 | Taiwan Student Cluster Competition
Led a team to won 3rd prize. Constructed and tuned high performance computing cluster with GPUs and InfiniBand. |
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