



Computer Engineering  
University of Waterloo

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🌐 [lhm.rocks](https://lhm.rocks)

🔄 [github.com/Liang-Hsuan](https://github.com/Liang-Hsuan)

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## Skills

*Be\_a\_Constant\_Learner += Write\_Clean\_and\_Strong\_Code*

**Languages:** Java; C#; C; C++; Go; Ruby; PHP; Python; JavaScript; Bash; Shell; RegExp; HTML; CSS; UML ...

**Frameworks:** .Net/ASP.Net; Ruby on Rails; Node.js; React; React-Native; OpenCV; jQuery; JavaFX/Swing ...

**Infrastructure:** Nginx; Kubernetes; Heroku; Hadoop; Kafka; MySQL; SQL Server; Redis; Elasticsearch ...

**Dev Tools:** Git; Docker; Vagrant; Firebase; OpenSSL; StatsD; Xcode; IntelliJ; Visual Studio; Sublime ...

[ more on [lhm.rocks#skills](https://lhm.rocks#skills) ]

**Courses:** Compilers; Operating Systems; Algorithms & Data Structures; Embedded Systems; Digital Hardware ...



## Work Experience

### Security DevOps – Shopify

- ▲ Designed and developed a fault tolerance, low latency and high throughput Kafka stream processing application.
- ▲ Wrote high coverage and race condition detectable test to ensure code quality and prevent building technical debt.
- ▲ Reported StatsD metrics to visualize application performance.

### CTO, Co-Founder – RHBoys

- ▲ Started multi-language Kicks4Love web and app from scratch while arranging advertisement contract on the platform.
- ▲ Set up fast and secure proxy server that enable Gzip compression, leverage browser caching, and prevent DDoS attack.
- ▲ Executed fast production changes according to analytics data.

### Software Developer – Jewlr.com

- ▲ Added numerous features to public commercial website and internal management system.
- ▲ Individually integrated payment methods such as Apply Pay on web, PayPal, ACH and Affirm.
- ▲ Utilized Vagrant to develop software that shipped in daily basis.

### Application Developer – Ashlin BPG Marketing INC

- ▲ Independently designed, developed, and tested various financial applications.
- ▲ Wrote multiple advanced SQL scripts in order to achieve better interaction between client and database.
- ▲ Engaged in cloud computing to host database and web app as well as improve security on Azure.

[ more on [lhm.rocks/experience.html](https://lhm.rocks/experience.html) ]

## Projects

### Liang-Hsuan Ma – [lhm.rocks](https://lhm.rocks)

- ▲ A responsive and mobile friendly website with many cool user interface designs.
- ▲ Applied third party APIs to implement SMS and bot chat.

### Kicks4Love – [kicks4love.com](https://kicks4love.com)

- ▲ Collaborated with other trend enthusiasts to produce a latest sneakers information website.
- ▲ Dedicated to front-end design and user experience to ensure page visits.

### Hand Detection

- ▲ A light weighted library to track fingers and hands motion using image processing.
- ▲ Emphasizing on thread-safe feature to allow real-time detection for end users.

### The Survival Game – [survivalgameonline.com](https://survivalgameonline.com)

- ▲ An online multiplayer game with score ranking mechanism for competition.
- ▲ Developed while learning for my first game project at hackathon within 36 hours.

### Order Manager

- ▲ A desktop application that can manage orders from various online shopping channels.
- ▲ Remarkable object-oriented structure to provide multi-channel handling.

[ more on [lhm.rocks/project.html](https://lhm.rocks/project.html) ]