



Computer Engineering
University of Waterloo

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Skills

Be_a_Constant_Learner += Write_Clean_and_Strong_Code

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

Frameworks: .Net/ASP.Net; Ruby on Rails; Node.js; Ember.js; React-Native; OpenCV; jQuery; Capybara ...

Infrastructure: Nginx; Kubernetes; Jenkins; Heroku; Hadoop; Kafka; MySQL; Redis; Elasticsearch ...

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

[more on lhm.rocks#skills]

Courses: Compilers; Operating Systems; Computer Networks; Distributed Computing; Computer Security; Databases...



Work Experience

Full Stack Developer – FreshBooks

- ▲ Created time tracking feature on admin software.
- ▲ Utilized Google Cloud Platform to manage applications with Kubernetes.
- ▲ Wrote multiple reliably comprehensive user interaction simulation tests for the deployment pipeline.

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.

[more on lhm.rocks/experience.html]

Projects

Liang-Hsuan Ma – 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

- ▲ 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

- ▲ 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]