

## Summary

Polyglot developer, eager to learn new tools, set out to make machines do heavy-liftings for humanity

## Experience

**Gimmie.io: Full Stack Developer** ..... Nov 2013 - Present

- Manage a team of 3 developers to build an MVP, using Rails and Golang on Heroku
- Built an analytics pipeline to collect, process and store incoming click stream data
- Built a machine-learning-based article recommendation engine (python)
- Built a WYSIWYG editor for clients to edit engagement contents, such as recommendation
- Designed and built concurrent workers utilizing golang's concurrency, resulting in efficient, easily scalable architecture
- Set up and maintain Docker images which leads to faster deploy to staging and production environments
- Test-driven-development in Rails(rspec) and Golang(gomega)
- Added Shopify API integration to MVP, resulting in more beta installs from listing in Shopify App Listings
- Migrated MVP away from Heroku and added rabbitmq on top of Postgresql, MongoDB using AWS EC2 and RDS
- Built a NodeJS app that starts PhantomJS and outputs the screenshot of a url
- Maintain and support Android library on Unity 3 and 4, powering the gamification of client apps
- Built a Magento plugin for easier integration, and wider exposure of Gimmie Loyalty

**St'aime: Founder and Android Developer** ..... May 2013 -Present

- Developed a rewards system with integrated social media marketing for retail shops in Cambodia
- Attracted 3 businesses in Phnom Penh with a combined revenue of US\$30k for collaboration

**NUS: Teaching Assistant** ..... Aug 2011 – Nov 2013

- Taught programming methodology to 150 students in 6 classes
- Volunteered time for small group consultation sessions to help weaker students catch up

## Skills

- Agile Development, Scrum stories management
- Golang, Ruby on Rails, Python Flask, Django, NodeJS,
- Relational databases, MySQL, SQLite, Postgresql; NoSQL: MongoDB
- RabbitMQ, Redis, Memcache
- C#, JAVA, Android Development
- AWS Services: EC2, RDS, Route53
- Docker
- DNS Routing, Apache Server, NginX
- Operations Research, Design Thinking, Data Analytics, Simulation
- Fluency in English (written and spoken), Khmer(written and spoken), Mandarin(spoken)

## Selected Projects

- [GrabABouquet](#) A rails Spreecommerce app that sold flowers during Valentine's Day.
- [Flappy-bird mod](#) A hack of a popular game, modifying it for use as a quiz in classrooms. Entertained some sec2 kids.
- [Follodota](#): An android app to aggregate professional DotA matches replays.
- [Bounce Ball](#) casual game: a cross-platform game that generate an average of 30 replays each session
- [English Repeat](#): an English learning application which achieved high engagement and ratings from the target audience: my parents.
- [Give and Take \(NUS Freecycling project\)](#) Proposed and executed collections of recycled items, and the giveaway sessions at the start of the new semester; Donated more than 100kg of non-reusable materials; gave away many more items for reuse

## Education

National University of Singapore

**BEng (Industrial and System Engineering)**

*Aug 2010 - May 2014*

With Design Centric Program

- Holder of NUS ASEAN Undergraduate Scholarship
- NUS Dean's List Certificate (top 5% of the cohort)

*2010/2011 SemI&II*

## Co-curricular Activities

**ASEANpreneurs (NUS Entrepreneurship Society)**

*Jan 2012 – May 2013*

**International Relations Director**

- Planned and executed the selection process for 70 country delegates from over 300 applicants all over ASEAN, for the one-week entrepreneurship conference AYLE, in Singapore (February 2012) and Manila (January 2013)
- Oversaw the execution and judging of ASEANpreneurs Ideas Canvas, a social entrepreneurship challenge preceding AYLE, which had over 250 different applicants

**Chairperson of Sheares Ge Yao** *a Chinese pop/rock music group*

*Aug 2011 – May 2012*

- Managed and scheduled the rehearsals and performances of 30 talented performers
- Initiated song dedication in Sheares Hall (501 residents), raised funds for the CCA

## Loves

Top-rope climbing, TED Talks, CS Lewis, Badminton, Soccer, Dota2, Bass guitar