Jian Loong Liew

http://www.jianliew.me

Email : jianloongliew@gmail.com
Mobile : +61-4-3117-0997

Education

- **Monash University** — Melbourne, Australia
  Professional Year ICT — *Jan. 2016 – Dec. 2016*

- **Monash University** — Melbourne, Australia
  Master of Information Technology (Professional) - Thesis — *Aug. 2013 – Aug. 2015*
  - Faculty of Information Technology Merit Scholarship
  - Completed thesis titled "Category R-tree", a data structure for optimised spatial queries.

- **Swinburne University of Technology** — Melbourne, Australia
  Bachelor of Science (Computer Science & Software Engineering); GPA: 3.91 — *Jul. 2010 – Dec. 2012*
  - Swinburne University of Technology Merit Scholarship
  - Won Corporate and Industry Award by obtaining the highest GPA in the course.

Experience

- **Monash University** — Melbourne, Australia
  Sessional Lecturer & Teaching Associate — *Oct 2015 - Present*
  - **FIT9131 - Programming Foundations in Java.** Lectured for Semester 2, 2018. Introduced and utilised *JPLAG* as a tool to detect code similarity for student assignments
  - FIT9134 - Computer Architecture & Operating Systems
  - FIT5032 - Internet Applications Development Contributed signficantly to the restructuring and enhancements of the unit. Previous offerings of the unit was based on ASP.NET Web Forms
  - FIT5120 - Industry Experience Project
  - FIT5136 - Software Engineering

- **Sisuwellness** — Melbourne, Australia
  Android Developer — *Jan 2014 - Oct 2016*
  - Push Notifications - Created Push Notifications features using Firebase
  - Material Design - Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.
  - Workflows Dataduct an open source workflow framework to create and manage data pipelines leveraging reusables patterns to expedite developer productivity.
  - Data Collection Designed the internal survey and crowd sourcing platform which allowed for creating various tasks for crowd sourcing or embedding surveys across the Coursera platform.
  - Dev Environment Analytics environment based on docker and AWS, standardized the python and R dependencies. Wrote the core libraries that are shared by all data scientists.
  - Data Warehousing Setup, schema design and management of Amazon Redshift. Built an internal app for access to the data using a web interface. Dataduct integration for daily ETL injection into Redshift.
  - Recommendations Core service for all recommendation systems at Coursera, currently used on the homepage and throughout the content discovery process. Worked on both offline training and online serving.
  - Content Discovery Improved content discovery by building a new onboarding experience on coursera. Using this to personalize the search and browse experience. Also worked on ranking and indexing improvements.
  - Course Dashboards Instructor dashboards and learner surveying tools, which helped instructors run their class better by providing data on Assignments and Learner Activity.

Programming Skills

- **Languages**: Java, Python, JavaScript, C, C++, C#, SQL, PHP, Shell Scripting

- **Technologies**: Data Warehousing, Git, RESTful Web Service

Visa Status

Permanent Resident