# Jian Loong Liew

https://www.github.com/JianLoong

Test

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## EDUCATION

- **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.
  - Relevant Units -  Mobile and Distributed Systems, Data Analysis & Processing

- **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 cGPA in the course.
  - Relevant Units -  System Architecture & Design, Software Engineering Project

## EXPERIENCE

- **Monash University** — Melbourne, Australia

  *Sessional Lecturer & Teaching Associate* — *Oct 2015 - Present*
  - **FIT9131 - Programming Foundations in Java.** Lectured for Semester 2, 2018
  - **Subjects taught include -**  FIT9134 - Computer Architecture & Operating Systems, FIT9135 - Data Communications, FIT5042 - Enterprise Application Development, FIT5136 - Software Engineering

- **Sisuwellness** — Melbourne, Australia

  *Android Developer* — *Jan 2014 - Oct 2016*
  - Push Notifications -  Created Push Notifications features using **Google 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** - Skilled - Independent (subclass 189)