

**ANDREW BENG**  
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## PROFESSIONAL EXPERIENCE

### DHL-SMU Green Transformation Lab (GTL)

Jun 2014 (Full-Time)  
May 2013 to May 2014 (Intern)

- Solutions Engineer (Full-Time); R&D of modern web and mobile applications for DHL GoGreen
  - DHL Carbon Calculator and Green Services Infrastructure (2016)
    - Continuous Integration pipeline; implemented automated tests using SuperTest
    - Transition to production; DHL Carbon Calculator launched globally June 2016
    - Optimise and expose core functionalities of Carbon Calculator as RESTful web services
  - DHL Global Forwarding – Green Danmar carrier selection (2015)
    - Launched globally, February 2016
  - Prototyping of new Carbon Calculator (2105)
    - Modularised calculation and routing engine (io.js, MongoDB, Neo4j)
    - Modern web UI design engineering (AngularJS, Google Material Design)
  - Release engineering of Carbon Dashboard 2.0 (2014)
    - Transition to production: performance optimisations, global launch March 2014
- Intern (IT); conceptualised, prototyped and developed new carbon analytics dashboard application

### Teaching Assistant (Cloud Computing and Big Data Analytics)

Aug to Apr 2014

- Created Continuous Integration and DevOps lab tutorials
- Crafted and facilitated tutorials in Cloud web application development

## AWARDS

### Supply Chain CEO Award APAC for GoGreen (DHL Supply Chain)

Mar 2016

- GTL's outstanding contribution to the success of Supply Chain Strategy 2020

### Upper Year Capstone Project (SIS SMU)

Dec 2012 to Apr 2013

- Best Project Management Award; stakeholders, project schedule/plan/metric and deliverables

## EDUCATIONAL QUALIFICATION

### Singapore Management University

Aug 2010 to Apr 2014

- Bachelor of Science in Information Systems Management (ISM), GPA 3.37 (High Merit)
- Second Major in Advanced Business Technology

## RESEARCH & IMPLEMENTATION PROJECTS

### Real-time Collaboration in PlaySketch

Jul to Dec 2013

- Guided research under Dr. Richard Davis; real-time collaboration technologies
- Implemented PlaySketch prototype, a collaborative web based sketching tool deployed to AWS

## SKILLS

### Technologies

- Programming Languages: JavaScript, TypeScript, Python, HTML5, Java, SQL
- Server & DB: Node.js, Express, ECMAScript 6 (KoaJS, Generators), NoSQL (MongoDB, Neo4j)
- Client-side: Angular (v1 & v2), Titanium Mobile, Google Material Design, HTML5 and CSS3
- Real-time: socket.io (WebSockets), Operational Transformation (document collaboration)

### Languages

- English (Native), Mandarin, German (A1)