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Education

- **University of Michigan** — Ann Arbor, MI
  Master of Science, Aerospace Engineering — *Sep. 2012 - May 2014*
    - Focused on computational methods and flight software.

  Bachelor of Science, Aerospace Engineering — *Jan. 2008 - May 2011*
    - *Summa Cum Laude*
    - Minor in signal processing and control systems
    - Five terms *University Honor*, five terms *College of Engineering Dean's List*

- **Stanford University** — Stanford, CA
  Certificate of Completion in Computer Science — *June 2013 - Aug. 2013*
    - Design and Analysis of Algorithms, Client-side Internet Technologies

Work Experience

- **Bloomberg LP** — New York, NY
  Infrastructure Software Engineer — *Dec. 2014 - Present*
    - Work on a new version release system for the next-generation Bloomberg Terminal.
    - Provide a versatile platform that significantly enhances developer experience of deploying different versions of software to different environments by implementing key features in the back-end service and revamping the front-end UI that facilitates the entire release management process.
    - Responsible for the resource access validation project, a permissioning system that allows developers to restrict and monitor usage of their API.

- **FlightAware** — Houston, TX
  Intern — *June 2014 - Oct. 2014*
    - Improved the reliability and accuracy of FlightAware API by developing a comprehensive test suite using Python *unittest* framework.

- **Stress Analysis and Design Aerospace** — Kuala Lumpur, Malaysia
  Structural Engineer — *Sep. 2011 - July 2012*
    - Airbus A350XWB Flight Test Program: Co-authored six stress dossiers for static analysis of Flight Test Instruments (FTI) using classical methods and finite element modeling.
    - Developed a program to estimate the lifespan of an aircraft by analyzing fatigue and cyclic loads on the wings.

Personal Project

- **Expense Tracker** — http://expense--tracker.appspot.com
    - A simple and responsive website that calculates and keeps track of group travel costs.
    - Developed using Python and webapp2 framework, hosted on Google App Engine.

Skills

Programming: C++, Javascript

Operating Systems: Windows, Mac OS X, Linux

Languages: English, Chinese (Mandarin), and Malay