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Objective

Self-motivated software engineer seeking to apply my experience in full-stack development and knowledge in C++ and Javascript to build critical software infrastructure.

Education

- **University of Michigan** Ann Arbor, MI
Master of Science, Aerospace Engineering Sep. 2012 - May 2014
 - Computational methods and flight software.
Bachelor of Science, Aerospace Engineering Jan. 2008 - May 2011
 - *Summa Cum Laude*
- **Stanford University** Stanford, CA
Certificate of Completion in Computer Science June 2013 - Aug. 2013

Work Experience

- **Bloomberg LP** New York, NY
Infrastructure Software Engineer Dec. 2014 - Present
 - In charge of the bundle publishing pipeline that optimizes and packages Javascript code.
 - Work on the version release system for a new platform that powers the Bloomberg Terminal. The system enables auto-update and targeted software deployment in real time.
 - Responsible for a permissioning system that allows developers to restrict and monitor usage of their APIs.
- **FlightAware** Houston, TX
Intern June 2014 - Oct. 2014
 - Improved the reliability of FlightAware APIs by developing a comprehensive test suite in Python.
- **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.

Skills

Programming: C++, Javascript

Operating Systems: Windows, Mac OS X, Linux

Languages: English, Chinese (Mandarin), and Malay