Alexander Leishman
Software Engineer & Stanford CS Grad Student

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Education

2015 – Present	**M.S. Computer Science,** *Stanford University*
2008 – 2012	**B.S. Aerospace Engineering,** *University of Maryland, College Park* – 4.0 GPA
2012	**Statistics and Finance Courses**, *Fudan University (复旦大学), Shanghai*

Professional Experience

2015-Present

Course Assistant (2 quarters), *Stanford University*
- Conduct office hours and grade assignments for CS142 – Web Applications
- Developed projects, led sections and graded assignments for CS251 – Bitcoin and Cryptocurrencies

2014 – 2015
1.5 years

Full Stack Software Engineer, *BlockSeer/MaiCoin*
- Led development of many key features for MaiCoin (Rails App) with an international team. Traveled between Taipei and Palo Alto.
- Built BlockSeer (interactive Bitcoin visualization and analytics tool) front end with Rails, React.js and d3.js
- Responsible for bug bounty program and fixing security vulnerabilities.

2012 – 2013
1 year

Business Analyst, *Deloitte Consulting*
- Developed and presented financial data visualizations for VPs at one of world's largest companies
- Became office Tableau expert and a "Tableau champion" at Deloitte
- Built Excel models to analyze staffing requirements for a large healthcare provider

2011
Summer

Robotics Engineering Intern, *ASV Ltd.*
- Designed dynamic simulation and prototype of a station-keeping autonomous boat
- Programmed station-keeping control algorithm, optimized for energy efficiency

2010
Summer

AUV Technician, *C&C Technologies*
- Member of team responsible for operation and repair of Autonomous Underwater Vehicle
- Performed multiple offshore deep-water surveys in Gulf of Mexico, including at BP Deepwater Horizon Spill Site

Skills

Programming: Ruby/Rails, JavaScript (including ES6, React, Node, etc.), C, Swift/iOS, Python (learning), C++ (learning), SQL, HTML/CSS/SASS
Other Tools: Tableau, Excel

Projects

Current

Eventfull, *Scheduling Software for the Catering Industry*
- Designing and building scheduling software for the catering industry
- Managing architectural decisions and infrastructure
- Writing code across the stack, from server deployment scripts to CSS

2014

Photogram, *Instagram by mail*
- Designed and built mail-based photo sharing web app enabling users to connect to friends and family who are off the grid (like Grandma). Users upload, edit and add text to their photos, then send them as postcards
- Built and designed entire application using Ruby, JavaScript, ImageMagick and AWS S3 and EC2
- Built prototype iOS app