

JOHN LIAN

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EXPERIENCE

PROGRAM MANAGER

SEATTLE, WA

Microsoft

July 2016 - Present

- Built specification and drove development for new Azure subscription management features.
- Defined engineering requirements to onboard/retire sales channels, including a new government channel.
- Introduced team to high quality data collection/visualization with SQL, Kusto, and Power BI and rolled out usage across 50 developers and PMs.
- Overhauled service documentation strategy, leading to \$500,000 in annual support cost savings.

ROBOTICS ENGINEER

MONTREAL, QC

Pleiades Robotics

July 2015 - Mar 2016

- Integrated Robotics Operating System (ROS) with MAVLink-driven quadcopter and computer vision applications.
- Designed and developed autonomous flight programs using Dronekit, resulting in two successful demos.

FOUNDER & LEAD COORDINATOR

MONTREAL, QC

FIRST Robotics Competition, Team 4955

Sept 2013 - Apr 2015

- Founded and led a team of 40 in design and development to complete two robots - each within six weeks.
- Drove sustainability strategies and recruited new mentors, resulting in 100% return rate in year 2 and winning a \$7,000 FRC Rookie Grant.

UNDERGRADUATE RESEARCHER

MONTREAL, QC

McGill University, Prof. Andrew Higgins

Jan - Dec 2014

- Designed and built a device for levitating a chain of magnets with SolidWorks, laser cutting, and machining.
- Developed computer vision magnet tracking and magnet interaction simulation applications using MATLAB.

SYSTEMS ENGINEER INTERN

MONTREAL, QC

Bombardier Aerospace

Sept - Dec 2013

- Reviewed over 100 aircraft component qualification tests across three suppliers and ten integrators.
- Developed a review procedure resulting in 30% time saving for typical reviews, winning an XCell award.

MAINTENANCE ENGINEER INTERN

FORT McMURRAY, AB

Suncor Energy

Oct - Dec 2012

- Categorized over 500 haul truck failures into SAP, enabling a more data-driven approach to failure analysis.
- Investigated 10 high-profile failures and authored their failure reports along with two engineers.

EDUCATION

BACHELOR OF ENGINEERING - HONORS MECHANICAL ENGINEERING

MONTREAL, QC

McGill University, GPA: 3.59/4.00.

2010 - 2015

- J. W. McConnell Scholarship, Richard Lawrence Weldon Scholarship, & Faculty of Engineering Scholarship.

ADDITIONAL INFO

- **Technologies:** MATLAB, C#, Python, SQL, LaTeX, Git, SolidWorks, Inventor.
- **Projects:** MATLAB Particle Tracker, MATLAB FEM Solver, Asteroids game in Java - at <https://github.com/jlian>. Also helped my parents develop V1 of <http://sungivenfoods.com> using Joomla, Bootstrap, and some CSS/HTML.
- **Interests:** Photography, aerial videography, and volunteering for FIRST Robotics Competition.