

# Jacob Noble

(519) 379-2045

jacobrnoble@gmail.com

## OBJECTIVE

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Recent graduate with a bachelor's in aerospace engineering, passionate about leveraging complex software tools. Adept at technical, managerial, and hands-on tasks. Seeking roles where my enthusiasm, self-motivation, and analytical skills can contribute to innovative projects.

## SKILLS SUMMARY

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- Strong technical writing, presentation, team coordination, and time management abilities.
- Proficient in JavaScript, C, C++, Maple, PHP, and Python.
- Expertise in 3D Modelling using Creo Parametric and CATIA.
- Proficient in Finite Elements Analysis using Abaqus and ANSYS.
- Comprehensive knowledge in model validation, vibration analysis with VibrationVIEW, and experimental testing.
- Practical experience from Carpenter's Apprentice role, including client relations and hands-on equipment use.

## EDUCATION

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Bachelor of Engineering, Aerospace: Structures, Systems & Vehicle Design  
Carleton University, Ottawa, ON, CAN  
Graduated in April 2018

## APPLIED PROJECTS

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### **Rotary Unmanned Aerial System Fourth Year Project**

Team Fuselage Structural Vibrations Engineer | September 2016 – April 2017

- Led a team to reduce payload vibrations by 86% for a medium-sized remotely controlled helicopter.
- Developed a 3D model using Creo Parametric; validated with modal analysis using VibrationVIEW.
- Performed Finite Elements Analysis using Abaqus; utilized flight testing data for realistic simulations.
- Proposed, tested, and implemented design modifications based on data insights.

### **Reverse Engineering Project**

Project Organizer and Conceptual Designer | September 2014 – April 2015

- Reverse engineered a cable management device as part of a 3-member team.
- Spearheaded project timeline and ensured team communication.
- Conceptualized and re-design using Creo Parametric; 3D printed the final design.

## WORK EXPERIENCE

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### **Junior Proprietary Trader**

Select Vantage Inc. | March 2022 – July 2023

- Engaged in high-intensity day trading, leveraging analytical skills to navigate stock market complexities.
- Self-taught Python for developing data-driven trading systems.
- Maintained a proactive approach, dedicating free time to coding and continuous learning.
- Gained insights into market dynamics, coding methodologies, and adaptability in high-pressure situations.

### **Carpenter's Apprentice**

NobleCraft | June 2013 – September 2016

- Collaborated with a 6-member crew; honed hands-on skills with power equipment.
- Interacted with clients regularly, aiding in expanding the company's clientele.
- Managed tasks including renovations, framing, roofing, foundation building, and concrete pouring.

## PROFESSIONAL DEVELOPMENT

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### **CS50: Introduction to Computer Science**

Harvard University (Online) | In Progress

- Acquired foundational knowledge in computer science: C, Algorithms, Memory, and Data Structures.
- Enhanced skills in Python, SQL, HTML, CSS, and JavaScript.

References available upon request.