

# SLOAN BENJAMIN SOBIE

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*Engineering student at the University of British Columbia - Motorsport, Aerospace, Technology*

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## **Extracurriculars:**

### **University of Toronto Aerospace Team - University of Toronto (2018-2021)**

- Worked in the solid rockets, airframe, and structures subdivision to build multiple rockets, one of which is predicted to break the Canadian Amateur Altitude Record this summer reaching 50,000ft; I was the youngest member on the team since I joined when I was 15 years old, but I still became a senior member.

### **UBC Rocketry (2021-Present)**

- Member of the airframe and composite Whistler-Blackcomb subdivision - working on the most complex rocket the university has even produced. Rocket expected to reach the Karman Line (official edge of space) 100km in the air. Leading the manufacturing process of the body tube, conducting a vacuum bag composite layup

### **cdnozzle.com (2021)**

- I dedicated my summer to a uniquely challenging fluid mechanics problem - designing rocket nozzles. Cdnuzzle.com is a website that generates rocket nozzles and renders a high resolution stl file for 3-D printing
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## **Work & Volunteer Experience:**

### **Teaching Assistant at the Synthesis School (2021-Present)**

- Synthesis School is a series A startup aimed at teaching students problem-solving, leadership, and creativity through education. As the youngest TA in the school, I have learned to pick-up new skills quickly and adjust to the professional environment of the company

### **In To the Impossible Podcast with Professor Brian Keating (2020-Present)**

- Graphics Designer for Astrophysics/Physics Podcast, helped grow youtube channel to 40,000+ subscribers and 2,500,000+ views on Youtube

### **The Knowledge Society (2017)**

- At 14 years of age was selected to participate in a competitive nine month incubator to foster innovation among young people. I primarily focused on space technology and A.I.

### **Stanford University Pre-Collegiate Summer Institute Program (2019)**

- Selected for program on Astrochemistry in Palo Alto, California

**Completed over 350 community service hours**

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## **Skills & Awards:**

- George P. Grant Prize for Theory of Knowledge, 1/180 students (2021)
- Upper Canada College IB and Ontario High School Diploma Graduate (2021)
  - 41/45 IB Total and Ontario Scholar
  - High Levels: Mathematics, Physics, Economics
- Top 3 Finalist at the Ivey National High School Business Competition (2018)
- 1st Place Student of Distinction at the International Civil Aviation Organization Summit (2017)
- Experience programming in Java, Javascript, HTML, CSS, Python, and C
- Competent designing graphics and websites in Adobe Photoshop, Illustrator, and XD
- Familiar using CAD software (primarily Solidworks)

