

# Abigail Adam

(647)-519-6684 | [acadam00@gmail.com](mailto:acadam00@gmail.com) | [LinkedIn](#) | [Website](#)

## Education

### **Bachelor of Applied Science, Engineering Physics - University of British Columbia**

GPA: 86% | Dean's List | Expected Graduation: May 2028

### **Summer Program – Harvard University**

GPA: A | June-August 2022

## Skills & Abilities

Engineering Design | Fusion360 | AutoCAD | MATLAB and Simulink | C | C++ | Arduino | Java | Applied Mathematics | LaTeX | KiCAD | Soldering | Technical Writing

## Technical Experience

### **Summer Research Student | Technion, Faculty of Physics | 2024**

- Participated in the International Undergraduate Summer Research Program, and worked with the High Energy Physics Group, supervised by Professor Yotam Soreq
- Analyzed electrical and mechanical functioning of instruments used in high energy physics to evaluate their relevance to Dr. Soreq's research

### **Designer Co-op | Jablonsky Ast & Partners | 2025**

- Performed an in-depth analysis of top-down construction, a method for building skyscrapers yet to be adopted in Canada, and pitched my conclusions directly to senior partners
- Helped develop models to predict rebar consumption on large projects to assist in more accurate budgeting

### **Agroponics | Design Team | 2024 – present**

- Assisted in the creation of an automated hydroponic system, specifically working on implementing a server using MQTT communication to interface between sensors, microcontrollers, and actuators

## Projects and Coursework

### **Exoplanet Characterization | The Life and Death of Stars Cumulative | 2022**

- Characterized a distant binary stellar system (ID 253990973) using data from the Transiting Exoplanet Survey Satellite (TESS) using EXOFAST v2 and wrote a technical paper on my findings

### **Autonomous Robot Competition | Coursework | 2025**

- Created an autonomous robot for ENPH 253, including designing the robot's electrical systems (PCBs, power distribution) and making libraries to interface with several sophisticated sensors in C++

