Jacob Applebaum

jacobsvapplebaum@gmail.com • **LinkedIn** • **GitHub** • **(289) 834-0752** • **334 Carey Ct. Oakville, ON L6J5V8**

Education

Bachelor of Science Degree (Honours)
Major in Computer Science *(Sep 2021 - Dec 2025)*
Minor in Physics
Brock University

High School Diploma *(Sept. 2017 – June 2021)*
Oakville Trafalgar High School

Workplace Experience

Evertz Microsystems Ltd. *(Spring 2022)*
Facilities Management

- Responsible for general maintenance of all buildings on the premises
- Gained valuable industry knowledge by talking to actual electrical engineers

Camp Walden *(Summer 2021 - 2022)*
Senior Counselor & Specialist

- Facilitated an eight week summer camp by taking care of kids of ages 7-9

Tim Hortons *(Spring 2019)*
Crew Member

- Prepared food and drinks in a fast-paced environment

Volunteering

Video Editor *(August 2019)*
Golf Canada

- Edited social media videos at the 2019 CP Women's Open
- This helped sell more tickets, enabling this non-profit to promote the game of golf

Awards

Honor Role Award *(Sep 2017 – June 2021)*

- Scored an average higher than 80% in all classes during each semester of high school

Projects

[(My Electronics Projects Gallery)](#)

VGA Video Card

- Built a working breadboard circuit to produce a VGA video signal with discrete TTL chips
- Started soldering design on a perfboard
- Can be interfaced with 6502 computer on breadboards (see below)

6502-based Breadboard Computer

- Built a working computer with CPU, ROM, RAM, VIA, LCD display chips all on breadboards.
- CPU is retro 6502-based; the same kind was used on the old Nintendo, Atari 2600, Apple II, etc.

Java Projects

- +4 years of experience
- Developed many programs and projects in high school and university, both for school and for fun/extra-curricular learning
- Worked in a team of talented developers and artists to create 2D Java games (2020-2021)

Website

- jacobswackyworld.ca
- Created when I was 16 years old originally to showcase my videos and games
- I plan to showcase my electronics projects on there soon

Transferable Skills

Initiative

- Deep passion for electronics / programming
- Constantly doing projects outside of school to hone electronics knowledge / skill-set

Fast Learner / Wide Skill Range

- Familiar with many programming languages and concepts via experience
- Able to quickly acquire new technical skills by practicing them outside of work/school