

# Kovasky Buezo

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## EDUCATION

**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**  
*Bachelor of Engineering Co-op, Computer*

St. John's, NL  
Spring 2022 (Expected)

**ESCUELA INTERNACIONAL SAMPEDRANA**  
*U.S. High School Diploma*  
*Honduran Bachillerato*

Honduras  
Spring 2015

## SKILLS

- **Programming:** C++, Python, VHDL, Javascript, Liquid, HTML, CSS
- **Other Technologies:** SDL2, Qt, PyGame, React, GIT
- **Software:** MATLAB, Simulink, Quartus Prime Lite, Photoshop
- **Operating Systems:** Windows, GNU/Linux

## PROJECTS

**BytePusher Virtual Machine [Code]**

Winter 2020

- Implemented a BytePusher Virtual Machine that includes a one-instruction set CPU and memory-mapped pixel buffer and keystates using **Python** and **PyGame**
- Ported the project to **C++11** using **SDL2**
- Connected both implementations through the **SWIG** compiler

**Intel 8080 emulator and pseudo-assembler [Code]**

Fall 2018

- Implemented a pseudo-assembler with a built-in Intel 8080 emulator connected using **C++11** and **Qt**

**CHIP-8 Interpreter [Code]**

Spring 2018

- Implemented a CHIP-8 Interpreter that includes a 35-opcode CPU with a monochrome display using **C++11** and **SDL2**

## EXPERIENCE

**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**  
*Entrepreneurial Co-op Student*

St. John's, NL  
Summer 2020

- Worked towards the implementation of an importing business whose key mission is to bridge the gap between ethically sourced premium Honduran products and Canadians
- Developed a supply chain strategy that encompasses direct trade with producers and the transportation of goods from origin to end consumer
- Defined a brand strategy that outlines the core values of the company's brand identity

**BREWERY LANE MT. PEARL**  
*Ecommerce Developer (Part-time)*

St. John's, NL  
May-July 2020

- Led the creation, direction and usability of the e-commerce website, **blmtp.com**, using Shopify's framework alongside **Javascript**, **HTML**, and **CSS**

**LESTER'S DAIRY FARM**  
*Project Engineer Co-op Student*

St. John's, NL  
Fall 2018

- Carried out a prefeasibility study for an anaerobic digestion facility
- Performed mass balance calculations
- Assisted in planning and decision-making process in the design phase of the facility

**EMPIRE ELECTRONICS**  
*Maintenance Engineer Co-op Student*

Honduras  
Winter 2018

- Assisted in the designing of maintenance strategies, procedures and methods which reduced assembly line down-time to 3% and scrap production to 1%
- Carried out routine scheduled maintenance work and responded to equipment faults
- Diagnosed breakdown problems through the collection and analysis of on-site data

**SULA VALLEY BIOGAS**  
*Planning Engineer Co-op Student*

Honduras  
Winter 2017

- Assisted in the planning, budgeting and decision-making process
- Interpreted data from SCADA systems to provide reports and analysis to upper management as required
- Wrote the first plant operations handbook after becoming familiar with the production process