

# COLIN PEREIRA

Electrical Engineering Student

(236) 866-5799 | colinpereira37@gmail.com | linkedin.com/in/colinpereira | Vancouver, BC

## SKILLS

### Personal Skills

- Communication
- Problem Solving
- Data Analysis
- Team Working
- Critical Thinking

### Software Skills

- Microsoft Office
- Visual Studio
- Git

### Programming Languages

- C
- Python
- Verilog
- Assembly (ARM)

## EDUCATION

**University of British Columbia,**  
**April 2024**

*Bachelors in Applied Science,*  
*Electrical Engineering*

**Coop:** Available for 4 months  
beginning May 2021

- Awardee of International Major  
Entrance Scholarship (IMES)

## INTERESTS & ACTIVITIES

- **Emirates Gavel Club,** Led a team of 6, as Club President, to ensure membership growth and educational success of existing members while overseeing general club proceedings
- **Toastmasters International,** Completed the "Competent Leader" and "Competent Communicator" modules of Toastmaster's International
- **Dunia Young Business Leader,** developed a business plan in an international team of 6. Awarded for "Leadership through Engagement" and "Best A/V Execution"
- Entrepreneurship and Startups
- Technology Innovation

## WORK EXPERIENCE

### ETAG Power Solutions LLC

**June - August 2020**

#### *Design, Verification and Quality Engineer Intern*

- Contributed to designing Central Battery Inverter Systems and Addressable Emergency Lighting Control Systems based on customized requirements for various projects in the Middle East
- Tested and validated ETAG's Addressable System Controllers during product testing and commissioning phase and later produced reports based on results obtained to ensure products were meeting quality standards
- Catalogued component parts required for shipment to project sites
- Reviewed and facilitated in devising a quality management procedure as per ISO 9001 requirements to largely improve the company's quality system procedures

### Nihalani Event Management

**July 2016**

#### *Sales and Marketing Intern*

- Procured multiple textile companies from UK, USA, Canada and the MENA Region to participate in the annual IATF Fair in Dubai
- Maintained and controlled a database of all textile suppliers and approved vendors
- Communicated and collaborated with international textile companies to handle relevant logistical work related to the IATF Fair

## TECHNICAL PROJECTS

### Simple RISC Machine, UBC

**September 2020**

- Built a CPU that can make calculative instructions on a DE1-SoC utilizing Verilog HDL, with a partner and used git to track changes
- Worked with concepts such as FSM's, data path structures, RAM's, ALU's and clocks
- Ranked 30<sup>th</sup> on a competition testing efficiency and runtime

### DNA Sequence Analysis , UBC

**September 2020**

- Developed a C program to analyze a large set of DNA sequences based on a sample DNA sequence
- Scoring similarity based on mathematical algorithm to find the most similar sequence in a DNA pool

### Autonomous Claw, UBC

**February 2020**

- Created C code to control an autonomous claw to pick and drop objects using Arduino and a data acquisition module in a team of 6

## VOLUNTEER EXPERIENCE

### First Year ENGagement Program Leader

**July - August 2020**

- Eased the transition for 15 incoming freshmen into UBC's engineering program through online bi-weekly meetings
- Helped students "break the ice" through online platforms

### Presentation Support

**March 2019**

- Provided logistical support for presenters during UBC's Engineering Open House
- Assisted guests and participants to find presentation areas and tour meet points