

# Clarence Adrian

ELECTRICAL ENGINEER/  
PROGRAMMER

## TECHNICAL SKILLS

Programming Languages:

- Verilog HDL
- Assembly
- C
- Java, JavaScript
- Python
- Arduino
- MATLAB

Additional Software:

- SolidWorks
- AutoCAD

## EDUCATIONAL BACKGROUND

### University of British Columbia

Bachelor of Applied Science  
Electrical Engineering  
2017 – present

### Anglo-Chinese International

International Baccalaureate  
2014 – 2017

## OTHER AFFILIATIONS

- Unlimited Dance Club UBC  
*Executive Member*
- BBW International  
*Barback/Event Staff*

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clarence-adrian



ad2969



## WORK EXPERIENCE

### Franchise Owner, Student Works Painting

December 2017 – September 2018

- Self-managed a profitable painting franchise, leveraging skills in **marketing, sales, and employee/customer relations** to produce over 50,000 CAD in sales while maintaining a customer satisfaction rate of over 90% and a top 100 franchisee ranking
- Produced professional exterior and interior paint jobs by utilizing skills in **project management** to recruit, train and directly supervise 3 crews of 3-6 painters



## TECHNICAL PROJECTS

### Autonomous Ocean-Going Sailboat

Engineering Design Team Project (UBC Sailbot)

September 2018 – present

Position: Electrical sub-team, Sponsorship/Events Coordinator

- Implemented brushless motor based on electrical specifications to maximize boat rudder actuation
- Increased grant revenue received from the mechanical department by 45% from previous years

### Central Processing Unit

Course Project, CPEN211

September 2018 – November 2018

- Developed and designed a complete simple RISC machine, including ALU operation and memory access ability, using **VHDL**
- Utilize **asm** to test and debug RISC machine to ensure code synthesizes before loading design into FPGA

### Virtual Finance Manager

Personal Project – Local Hack Day 2019 Hackathon

December 2018 – present

- Create and design a cross-platform financial management application using **Java, JavaScript**

### Sentiment Analysis Twitter Bot

Biomedical Imaging and Artificial Intelligence Hackathon

December 2018 – present

- Program an intelligent bot, using **python**, that can analyze the sentiment of 300,000 twitter posts with 85% accuracy



## VOLUNTEER EXPERIENCE

### External Relations Coordinator

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- Manage internal funds and arrange fundraisers to accumulate operating funds and donations for national disaster victims