

# PABLO ORTIZ

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## EDUCATION

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### Queen's University

Computer Engineering, Software Engineering Stream

2019-08-31 – Present

- **Academics:** GPA of 3.51/4.30, Dean's Scholar Recipient, Teacher Assistant in Object Oriented Programming Course, Tutor in Intro to Computer Programming Course.
- **Extracurricular:** QUANTT Algo Competition Winner, Finalist in Canadian Engineers in Business Case Competition.

### Appleby College

Ontario Secondary School Diploma – Ontario Scholar

2015-09 – 2019-06

- **Academics:** Honour Roll with Distinction, awarded to students with an average 90% or higher.
- **Leadership:** Student ambassador, ACMUN club secretariat, 350+ Service Hours, Bronze Duke of Edinburgh.

## PROFESSIONAL WORK EXPERIENCE

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### Advanced Micro Devices (AMD)

Design Verification Engineer (12 Month Internship)

2022-05 – Present

- Developed and optimized internal tools composed of server/backend scripts (Perl, Python, SQL, C++, Linux).
- Created and maintained Regression/Sanity/Coverage pipeline flows on Jenkins using Perl, Excel Macros and SQL.
- Provided general IT support to team through maintaining Servers, LSF, Disk Structure/Usage and Linux Machines.

### Patry Inc. Developments

Android Software Developer/Junior Asset Manager

2021-04 – 2021-09

- Developed Android mobile application to improve the efficiency and quality of property inspections by over 45%. Application developed in Java through Android Studio using SQL, XML, Microsoft Flows and Excel.
- Automated property and work reports, reducing time expended on them by 30min/employee/week by creating Microsoft Flows on Microsoft Form results embedded in SharePoint Sites.
- Automated multiple data entry/analysis procedures, decreasing human-made mistakes and time expended on them by employees using Microsoft Flows and Excel.

## EXTRACURRICULAR ACTIVITIES

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### Object Oriented Programming Course (Paid)

Teacher Assistant

2022-09 – Present

- Helped develop and teach material that introduced Object Oriented programming through Java to students.
- Conducted marked evaluation of assignments, activities and examinations with constructive feedback.

### QUANTT

Marketing Executive

2020-10 – 2022-04

- Developed a Pairs Trading Algorithm based on an ARIMA model for (NASDAQ:AAL) and (NASDAQ:DAL) through QuantConnect, won the competition and delivered 28% higher returns than holding the securities since IPO.
- Selected as Executive Team Member for the 2021-2022 year to build and maintain their website (quantt.ca) through WordPress and Semplice. Organized and managed marketing events and social media accounts increasing exposure to the student population by 170%.
- Developed Trading Algorithm based on General Motors supply chain effects through QuantConnect, which delivered 38% higher returns than holding the security (NYSE: GM) since IPO.

### Engineering Society Software Development Team

Software Developer

2019-10 – 2020-04

- Developed a two-dimensional interactive computer program using C# on the Unity engine.
- Collaborated with two other software developers on a three-dimensional interactive computer program through GitHub on the Unity Engine.

## ADDITIONAL INFORMATION

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- **Languages :** Python, Perl, SQL, C++/C, Java, VHDL, HTML, CSS, PHP, VBA, Arduino, Assembly Language
- **Tools:** Linux, Jenkins, MySQL Workbench, Github, Perforce, Jira/Confluence, Excel, Android Studio
- **Soft Skills:** Communication, Teamwork, Adaptability, Problem-Solving, Work Ethic, Leadership, Proactiveness