# PABLO ORTIZ

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## EDUCATION

**Queen's University**
*Computer Engineering, Software Engineering Stream*                                 2019-09 – 2024-04
- **Academics:** GPA of 3.53/4.30, Dean's Scholar Recipient, Computer Programming Course Teaching Assistant, Intro to Computer Programming Course and Intro to Algorithms course personal Tutor.
- **Extracurricular:** QUANTT Algo Competition Winner, Finalist in Canadian Engineers in Business Case Competition.

## PROFESSIONAL WORK EXPERIENCE

**TD**
*Quality Engineer*                                                                  2023-05 – 2023-08
- Automated over 120 test cases in Java using Selenium, Robot, Cucumber and SQL following the BDD Framework.
- Developed PDF content validation and comparison tools that automated 50 manual test cases. Test execution time was reduced from 16 hours to 50 min, resulting in over $ 100,000 in annual savings.

**Advanced Micro Devices (AMD)**
*Design Verification Engineer*                                                      2022-05 – 2023-04
- 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.

## EXTRACURRICAL ACTIVITIES

**QUBE (Queen's University Business and Engineering)**                               2023-09 – 2024-04
*Senior Consultant*
- Will lead a group of 6 consultants in the incoming school year to produce and present a viable and creative solution to the C-suite executives from the assigned client firm.
- Will maintain professional and efficient communication with client firm in order to deliver best possible solution.

**Introduction to Computer Programming Course (Paid)**
*Teacher Assistant*                                                                 2021-09 – 2021-12
- Helped develop and teach course material that introduced programming principles in C 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.

## ADDITIONAL INFORMATION

- **Languages :** Python, Perl, Java, SQL, C++/C, Verilog, VBA, Arduino, Assembly Language
- **Tools:** Linux, Selenium, Cucumber, React JS, Jenkins, MySQL Workbench, Git, Perforce, Excel, Android Studio
- **Soft Skills:** Communication, Teamwork, Adaptability, Problem-Solving, Work Ethic, Leadership, Proactiveness