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

Advanced Micro Devices (AMD)
Silicon Design Engineer   2024-05 - Current
- Develop and optimize internal tools composed of servers/backend scripts (Perl, Python, SQL, C++, Linux).
- Write sequences and testbench components in SystemVerilog and UVM to achieve verification of the design.
- Create and maintain Regression/Sanity/Coverage pipeline flows on Jenkins using Perl, Excel Macros and SQL.

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
Design Verification Engineer Intern   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

QUANTT
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.

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.

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