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MANN PATEL

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EMPLOYMENT

Quality Assurance Intern	Q4 Inc.	Jan. 2018 – Apr. 2018
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- Maintained and developed a full Java-based automation suite of 600+ scripts across Web and Desktop products using Apache Maven, Junit Testing Annotations, and Selenium Webdriver in accordance to the Page Object Model.
- Integral part of success in the Agile Software Development Cycle; received 'Sprint Rockstar' designation multiple times.
- Developed multiple Postman collections for API testing; verified and manipulated data in XML and JSON file formats using SQL.
- Worked with Atlassian, Confluence, TestRail, and Jira FED in daily capacity.

Student Teacher & Member	Westwood High School Coding Club	Fall 2003 – Spring 2005
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- Taught introductory C++, and Java to students with varying levels of coding experience.
- Created a third-person zombie-survival game using C# in Unity. Chosen to compete in the provincial animation and game design competition.
- Created visual animations using the OpenGL Utility Toolkit in C++. Won 2nd place in school coding competition.
- Directed setup of new equipment: including 3-D printers, Gaming Laptops, VR Machines, etc.
- Troubleshoot and resolve errors related to the hardware/software aspects of systems.

EDUCATION

Waterloo, ON	University of Waterloo	2017 – 2022
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- **B.A.Sc.** Candidate for Electrical Engineering.
- **3.98 GPA** with **Top 10 Ranking** in Electrical and Computer Engineering class.

TECHNICAL EXPERIENCE

Projects

- **HackerRank Programming Challenges** (2018). Online programming community hosting coding challenges and competitions. Completed the 30 Days of Programming, Java problem suites. (C++, Java)
- **JavaScript Games** (2017 – 2018). Completed Khan Academy JS course and developed classic video/arcade games to run in browser. Library thus far includes Tetris, with a 2-player version, and Super Mario in development.
- **Embedded System Development** (2017). Used C, Putty, and CMAKE to create an embedded system 'Simon Says' game on the Onion OMEGA board. (C)

ADDITIONAL EXPERIENCE AND AWARDS

- **Waterloo Dean's (Term) Scholar**: placed 8th overall in program ranking with a GPA of 3.98 in the first term.
- **AP National Scholar and AP Scholar with Distinction (2017)**: Placed in top 2 percentile of all test takers internationally. Scores of 5 in AP Calculus AB, AP Chemistry, AP Physics II, and AP Biology.
- **VEX Robotics Design and Autonomous Award (2016)**: Achieved highest score in the autonomous section of the provincial championships. Finished first and qualified for World competition.

LANGUAGE AND TECHNOLOGIES

- C++; C; Java; SQL; HTML; JSON; JavaScript; Processing; MIT App Inventor.
- Visual Studio; Microsoft SQL Server; IntelliJ IDEA; CLion; Sublime Text; Eclipse.
- Postman; Cross-Platform Development (Linux).