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CHRIS MELENDEZ
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EMPLOYMENT

Software Developer 2	Varian Medical Systems	May 2021 - Present
<ul style="list-style-type: none">• Spearheaded the development of 10+ full-stack features (Angular and Java) with an Agile team of 6 and implement corresponding unit and API tests• Developed internal tools that optimized date and timezone testing, linting, generators, and localization, increasing bug detection and prevention and saving SQA and development time by 50%• Resolved 40+ bugs and defects by refactoring parts of the app to maintain clean and organized code standards, optimized lookup calls, better visualization and saved development time by at least 30%• Led research and analysis of integrating external services for a feature that would improve 20% of data entry		
Teaching Assistant	International College of Manitoba	Sep 2020 - Dec 2020
<ul style="list-style-type: none">• Managed and assessed labs and assignments for 80+ students in an introductory programming course in Python		
Application Developer 1	Wawanesa Insurance	Jan 2020 - Aug 2020
Innovation Lab		
<ul style="list-style-type: none">• Designed the architecture and database of 5 projects and implemented APIs, backend and frontend with Nodejs, AWS and React• Developed the frontend of an application using Google Maps API to identify potential clients for brokers• Built the distributed functionality of a billing chatbot using Serverless, WebSockets and AWS-SNS		
Undergraduate Research Student	University of Manitoba	May 2018 - Aug 2018
Autonomous Agents Lab		
<ul style="list-style-type: none">• Programmed a robot using Python, C++, ROS, and OpenCV to take part in robotics competitions, accomplishing 4th place all-round in the kid-size category at FIRA RoboWorld Cup 2018 in Taiwan		

EDUCATION

B.Sc. in Computer Science	University of Manitoba	Sep 2016 – May 2021
<ul style="list-style-type: none">• Focus: Software Engineering, Computer Graphics, Artificial Intelligence		

ADDITIONAL EXPERIENCE AND AWARDS

Robot Programmer Volunteer	University of Manitoba	Sep 2018 - Mar 2020
Autonomous Agents Lab		
<ul style="list-style-type: none">• Designed a new architecture that allowed the two teams in the lab to collaborate using the same code in different robots, saving development time and increasing collaboration by 60%• Led Snobots-Kid team to compete at FIRA2019 in South Korea, accomplishing 4th place overall, improving previous years' scores• Accomplished 2nd place at IROS2019 - Humanoid Application Challenge "Robot magic and music" in Macau		

PROJECTS (SEE WEBSITE FOR MORE)

- **Spotitool:** Created an Angular application that organizes favorite Spotify songs into new playlists saving the user 2+ hours of manual work

Languages and Technologies

React, Angular, Java, JavaScript, TypeScript, HTML, CSS, NodeJS, Python, C++, OpenCV, Jest, Cypress, OpenGL, MySQL, AWS (Lambda, DynamoDB, SNS, API Gateway), Serverless, NoSQL, MongoDB, Express, Android Studio