

# Ravneet Kaur

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## Software Engineer Summary

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- Fourth-year Business and Computer Science Double Degree student at Wilfrid Laurier University offering a strong foundation in software engineering and programming principles across multiple platforms
- Experienced in object-oriented programming; developing, testing and debugging code; and designing interfaces
- Excel at quickly learning and mastering new technologies; and problem solving in both a team dynamic and in self-directed settings during course projects and internships

## Skills

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**Programming Languages:** Python, Java, C, JavaScript, HTML / CSS, SQL

**Frameworks & Libraries:** React, Node.js, Bootstrap, Pandas, Scikit-learn, Terraform

**Tools:** Microsoft Azure, AWS Lambda, Alexa Skills Kit, Git, Bash, Adobe Illustrator, Grafana, Twilio, Firebase, Android Studios

## Relevant Work Experience

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**Software Engineer Co-op – Cloud Engineering Team • Manulife • Waterloo, Canada** **Sept 2020 – Present**

- Building a data plane using various Microsoft Azure services, Azure REST API, and Grafana to extract, clean, and visualize data to provide insight on Manulife's infrastructure on cloud to senior leadership, architecture team and various teams within the Canadian Division
- Automating creation of Azure Data Factory infrastructure via Terraform to simplify the user experience

**Data Scientist Co-op • RBC Insurance • Mississauga, Canada** **Jan 2020 – Apr 2020**

- Automated the manual process of re-assigning orphaned leads to advisors based on a selection criterion. This process improved productivity by 60% and reduced manual time spent to re-assign by 50%
- Developed a predictive model using Python to identify clients to target for RRA/PA Acquisition Campaign who are most likely to buy and keep the product for at least a year
- Aided the team with migration from IBM Netezza to IBM IAS

**Innovation Developer Co-op – Voice & Web Application • Sun Life • Toronto, Canada** **May 2019 – Aug 2019**

- Worked on an agile team to design, develop, test a new voice feature with a card on Alexa and Google Assistant
- Created a push-to-call prototype for Sun Life GRS/GB websites using React and Twilio API to reduce call-centre authentication times by 50%
- Generated viable ideas, developed over 5 prototypes with design-thinking principles, and presented working software to business leaders and stakeholders on a bi-weekly basis

## Work Experience

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**Teaching Assistant & Marker • Wilfrid Laurier University • Waterloo, Canada** **Sept 2018 – Present**

- 1<sup>st</sup> Year Computer Science courses: Introduction to Programming (CP104) & Data Structures I (CP164)
- 2<sup>nd</sup> Year Computer Science course: Windows Application Programming (CP212)

## Projects

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**Personal Portfolio • HTML, CSS, JavaScript**

First iteration of my personal portfolio, built with HTML, CSS, JavaScript, Particle.js

**MyLaurier • Android Studios, Firebase, Google Maps API**

- Mobile application built using Google Maps API and Firebase that integrates various university resources in one place

**TravelBudget • JavaScript, RESTful API, jQuery, HTML/CSS**

- Chrome extension that displays an estimated trip cost for routes when searching for directions on Google Maps using a RESTful API to access a database of vehicles makes, models, and their fuel economies

**Booking Appointment – Voice Skill • JavaScript, Node.js, Google Calendar API, Alexa Skills Kit**

- Allows the user to book and save an appointment with their specific dentist using their Google Assistant device

## Education

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**B.Sc, Computer Science (Co-op) • Wilfrid Laurier University** **Expected Aug 2022**

**BBA, Business Administration, Finance (Co-op) • Wilfrid Laurier University** **Expected Aug 2022**

- Coursework: Data Structures, Algorithms Design & Analysis, Operating System, Artificial Intelligence, Database I
- Awards: Entrance Scholarship (\$2000), Finalist - IKEA Sustainability Challenge, 3<sup>rd</sup> Place - TD Live Case Competition