

PATRICIA MIELNIK

Software Developer

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Education

Bachelor of Computer Science

University of Waterloo // September 2017 - present

Bachelor of Business Administration

Wilfrid Laurier University // September 2017 - present



Work Experience

Software Engineer

Kaleidescape Inc. // January - April 2019

- Refactored existing code and implemented a tool base in **Java** to support modularized implementation of new notification types for email and any mobile platform
- Created and shipped an Android push notification service with **Firestore Cloud Messaging** to production, to deliver notifications to upwards of **15,000 customers** at a time in the most efficient manner
- Optimized **PostgreSQL** queries to efficiently select target customers for notifications

Developer

Royal Bank of Canada // May - August 2018

- Self-learned **Python** to develop scripts to automate event calendar syncing between Meetup.com and internal FutureMakers site, saving an average of **8 hours / sync cycle**
- Designed and implemented an internal Speaker's Bureau to streamline process for recruiting speakers for RBC events



Projects

Greenicle

Hackathon API Prize Winner // January 2019 // [Project Link](#)

- Used **SmartCar API** to build a dashboard web app that allows users to track their personal vehicle emissions and provides tips and encouragement to reduce environmental impact
- Integrated **SmartCar** and **Bing Search APIs** using **Flask for Python**
- **First place** out of 22 teams for best use of the Smartcar API at U of T Hacks

RBC Student Hub

Hackathon Winner // August 2018 // [Project Link](#)

- Created a mobile application that allows students to connect with one another based on personal and professional interests
- Designed a familiar user interface using **Figma** and by conducting user interviews
- Pitched idea in front of executive judges at RBC and **placed second** out of 25 teams in the RBC Summer Hack

Weather Report

Personal Project // March 2019 // [Project Link](#)

- Created a **Python** script that sends a weather forecast from the **AccuWeather API** to users through Facebook messenger
- Leveraged **AWS Lambda functions** and **CloudWatch services** to deliver messages on a scheduled basis



Skills

Languages

Java, C++, Python, PostgreSQL, JSON, Bash, HTML/CSS, Scheme, MIPS

Frameworks

JUnit, SpringBoot, REST APIs

Tools

Microsoft Azure, AWS, Firebase, Git, Perforce, JIRA, Confluence, Squirrel SQL Client, VSCode, Eclipse, Linux



Activities

U of T Hacks
Prize Winner, 2019

RBC + Microsoft
Azure Cloud
Innovation
Challenge
2018

Intro to AI/ML
Presenter, 2018

Hack Bloomberg
2018

New Venture Case
Competition
Semi-finalist, 2018

Math Orientation
Media Devisor, 2018

Concert Band
Flutist, 2010-2017

Youth Orchestra
Violinist, 2008-2017

Tennis, Skiing,
Swimming, and
Photography