

# Maria Pavlovic

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## SKILLS

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- **Languages:** Python, Java, C++, JavaScript, SQL, Swift, VHDL, HTML, CSS
- **Technologies & Tools:** Git, JIRA, Mabl, Jenkins, JUnit, Datadog, IntelliJ, MySQL, Sequel Pro, Postman

## EXPERIENCE

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### ADP Canada – WorkMarket

June – Aug 2020

#### Quality Engineer

- Stabilized Mabl tests across several SPA's allowing for more accurate UI testing, and improved visibility of test results through Slack alerts
- Added a filtering layer to a subset of the logging infrastructure in order to mask sensitive client information
- Wrote API tests for user permissions as part of introduction of new user role type to the company
- Resolved smaller production issues and pushed incremental enhancements to the WorkMarket platform
- Worked in an Agile team

## PROJECTS

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### Chat Room

JavaScript, Node.js, Socket.io, Express.js

- Created a real-time chat room where unlimited users can join existing chat rooms or create new ones

### iOS Application

Swift, XCode

- Developed a "Pomodoro" timer that helps the user study more efficiently by tracking a 25-minute study period followed immediately by a 5-minute break period

### Soil Moisture Sensor

Raspberry Pi, Linux (Raspbian), Python

- Connected sensors to a Raspberry Pi which read moisture level (wet or dry)
- Automatic emails sent to the user to alert them to water their plants if the soil moisture reading is dry

### AI Battle Robot

Java

- Created a robot simulator that tracked battles with opponents to develop a strategy when to attack and when to defend
- Robot won a battle against 20 opponents in a competition

### Hackathon Project

HTML, CSS, JavaScript

- Created a website to help students organize deadlines and manage stress, including features such as a to-do list, an embedded Google Calendar, and a "de-stress" page with interactive visuals
- Won first place at a local high school hackathon for having the best presentation of our final product

## EDUCATION

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### University of Waterloo

September 2019 – Present

*Bachelor of Applied Science in Computer Engineering*

*Waterloo, ON*

- Relevant Courses: Fundamentals of Programming, Linear Circuits, Digital Circuits and Systems

## INTERESTS

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- Piano (Level 8 RCM)
- Photography, Painting, and Drawing
- Stock Simulator Investing

## LANGUAGES

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- English
- French
- Serbian