

# Maria Pavlovic

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## SKILLS

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- **Programming Languages:** Java, C++, Python, Swift, JavaScript, HTML, CSS
- **Frameworks & Libraries:** React

## EXPERIENCE

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### Computer Science Club

Sep 2018 – June 2019

*Executive*

*Oakville, ON*

- Devised weekly lessons on topics such as app development and website development
- Taught students how to make Android phone applications via MIT App Inventor
- Taught students JavaScript, and how to make a website with HTML, CSS, and JavaScript
- Organized a month-long website design competition

### Iroquois Ridge Hackathon

December 1, 2018

*Participant*

*Oakville, ON*

- Participated in a 12-hour long hackathon at a local high school
- Won first place prize for having the best presentation of our final product
- Created a website designed to help grade 12 students with organizing their deadlines and managing stress during the university application period
- Includes features such as a to-do list, an embedded Google Calendar, and a "de-stress" page with interactive visuals

## PROJECTS

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### iOS Application - Pomodoro Timer

*Swift*

- A timer that helps the user study by tracking a 25-minute study period followed immediately by a 5-minute break period
- The user can choose for how many cycles this process repeats for
- An alarm goes off at the end of each period to alert the user that it has ended

### Raspberry Pi - Soil Moisture Sensor

*Python, Raspberry Pi*

- Moisture sensors connected to a Raspberry Pi which reads the input of the state of the sensor
- Automatic emails are sent to the user to alert them to water their plants if the soil moisture reading is dry

### Encryption and Decryption Program

*C++*

- Takes in an array with the phrase that needs to be encoded, along with a key that will be used once in order to make sure encryption cannot be solved by others
- Once the phrase is encoded, it can also be decoded by passing the new cipher and the original key

## EDUCATION

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### University of Waterloo

September 2019 – April 2024

*Bachelor or Applied Science in Computer Engineering*

*Waterloo, ON*

- Awarded President's Scholarship for achieving an average of 90% - 94% in high school
- Relevant Courses: Fundamentals of Programming, Linear Circuits, Digital Circuits and Systems