

# ANUJAN MATHISEKARAN

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## SKILLS

**LANGUAGES** Javascript, Python, Java, C++, C, HTML5, CSS3  
**TECHNOLOGIES** Node, Bootstrap 4, MongoDB, Express, jQuery, Git, Passport

## PROJECTS

### BobaKey

- Created a Yelp-inspired review site targeted towards bubble tea consumers in the Waterloo area using **Javascript** and a **RESTful API**
- Ensured data persistence using **MongoDB** and user I/O from a **JSON** file using **Node**
- Implemented user authentication using **Passport** enabling editing of user reviews and comments

### Wi-Fi Controlled Raspberry Pi Rover

- Collaborated in a team of three to demonstrate client to server data transfer using socket programming in **C**, allowing universal device control over Wi-Fi
- Integrated motor driver with Pi and created a custom chassis
- Implemented a watchdog timer and logging service to assist with the debugging process

### Recieved - Most Disruptive Hack and Best Environmental Hack at tHacks 2

- Worked in a team of four to prototype an app that sends consumers digital copies of their receipts
- Generated sample receipt data using Walmart Open API and **Python** for testing and presentation

### Clockwork Solitaire

- Developed a variation of solitaire with graphics using **Java**
- Utilized **Object Oriented Programming** principles to implement cards and decks for the game
- Created functional UI using **Java Applet** and preserved users' high scores with a text file

## EXPERIENCE

### City of Markham · Camp Counselor

Mar. 2018 to Sept. 2018

- Organized activity plans for students aged 5-13
- Upheld curriculum standards set by following the High Five Principles of Healthy Child Development
- Exercised public speaking and communication skills with parents and campers

## AWARDS

### Adel S. Sedra Undergraduate Scholarship · University of Waterloo

Sept. 2018

### Most Disruptive Hack & Liovena's Best Environmental Hack · Toronto Hacker Club

Oct. 2017

### Engaging in Entrepreneurship & Engineering Competition Winner · University of Waterloo

Aug. 2017

## EDUCATION

### University of Waterloo

Apr. 2023

Candidate for BAsC - Computer Engineering