

Janakitti Ratana-Rueangsri

🏠 5935 Caberera Cres. ☎ 647.926.2515 @ jratanar@uwaterloo.ca 🌐 /janakitti 🌐 janakitti.com

SKILLS

Languages: C, Python, Java, HTML, CSS, JavaScript

Technologies: Git, Arduino, Raspberry Pi, Firebase, Autodesk Inventor, Adobe Illustrator, Motion 5

RELATED EXPERIENCE

Software Lead - *FIRST Robotics; Team 4308*

September 2018 - April 2019

- Programmed computer vision system for the competitive robot using Raspberry Pi and OpenCV
- Prepared and facilitated programming lessons for new members

Entrepreneurial Competitor - *DECA Competition*

September 2017 - April 2019

- Developed a winning startup company called Spark; a parking lot management system designed to minimize traffic

PROJECTS

FedoraField | Unity, Adobe Illustrator

- Developed a top-down video game in which players interact with the environment and enemies using gravitational and electromagnetic fields

Tangible | Arduino, Unity

- Constructed a “universal touch-screen” ultrasonic accessory that can be installed on any monitor to provide touch-screen functionality via USB

Employee Management System | Java

- Built a desktop application to manage employee profiles using a hash table for efficient data storage and access as well as object-oriented programming

INTERESTS

- Graphic Design
- Game Design
- Cinematography
- Badminton & volleyball
- Guitar
- Animation

EDUCATION

High School - The Woodlands Secondary School

B.A.Sc in Software Engineering (expected 2024) - University of Waterloo

OTHER EXPERIENCE

Summer Intern - *Petro Laboratories Inc.*

July 2019 - August 2019

- Streamlined the process for recovering payments from outstanding invoices
- Prepared data tables for chemical analyses and assisted in performing tests for water content in oils

Vice President - *Student Council*

June 2018 - June 2019

- Ran weekly meetings, organizing leadership and volunteering opportunities for students
- Planned and hosted a multitude of successful events to get 1000+ students engaged in their community

ACHIEVEMENTS

- Principal's Award; 97% average in Grade 12 ('19)
- 2-time DECA Ontario Provincial Champion ('18, '19)
- FIRST Robotics World Championship Divisional Semi-Finalists ('18)