Janakitti Ratana-Rueangsri

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EDUCATION

High School — *The Woodlands Secondary School*　　　　　September 2015 - June 2019

B.A.Sc in Software Engineering (expected 2024) — *University of Waterloo*　　September 2019

SKILLS

- Excellent work ethic with the determination to complete tasks in a timely manner
- Strong communication skills, written and oral; ability to work effectively in groups
- Desire and ability to learn quickly using problem-solving and organizational skills

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

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

WORK 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

EXTRACURRICULAR ACTIVITIES

Vice President — *Student Activity Council*　　　　　June 2017 - June 2019

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

Entrepreneurial Competitor — *DECA Business Competition*　　　September 2017 - June 2019

- Developed a winning startup company called *Spark*; a parking lot management system designed to minimize traffic congestion in major cities with an app-based reservation service

Software Lead — *FRC Robotics; Team 4308*　　　　　September 2015 - April 2019

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

PROJECTS

The MAGNET Robot — *Autonomous Computer Vision Robot* | Python

- Constructed and programmed a four-wheeled robot that tracks and catches objects thrown at it using a USB camera, Raspberry Pi, Arduino, and OpenCV for computer vision

Employee Management System | Java

- Built a desktop application to manage employee profiles using a hash table for efficient data storage and access
- Utilized object-oriented programming principles to improve efficiency

Piing — *Virtual Reality Game* | Python

- Developed an echolocation-inspired VR maze game using Python and the Myo Gesture Control Armband API

INTERESTS

- Computer Science
- Graphic design
- Film and animation
- Guitar
- Badminton and volleyball

ACHIEVEMENTS

- Principal's Award and Silver Crest Award (2019)
- Honour Roll; achieved a 97% average in Grade 12 (2019)
- 2-time DECA Ontario Provincial Champion (2018 and 2019)
- FIRST Robotics World Championship Divisional Semi-Finalists (2018)
- McMaster Physics Competition: Highest score in school (2017)