

# Janakitti Ratana-Rueangsri

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## SKILLS

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

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

## RELATED EXPERIENCE

**Software Lead - FRC | Team 4308**

*September 2015 - 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 video game in which players interact with the environment and enemies using gravitational and electromagnetic fields

**Employee Management System | Java**

- Built a desktop application to manage employee profiles using a hash table for efficient data storage and access

**WizardOfColours | YouTube Channel**

- Developed a full-featured video game using PowerPoint with 7 levels, gravity system, power-ups, animations, and game logic

## 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 2017 - June 2019*

- 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)