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

EDUCATION

High School - The Woodlands Secondary School

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

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

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

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

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)