

Janakitti Ratana-Rueangsri

📞 647.926.2515

@ jratanar@uwaterloo.ca

🌐 /janakitti

🌐 janakitti.com

SKILLS

Languages: C, Python, Java, HTML, CSS

Technologies: Git, Unity, Arduino, 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
- Organized and facilitated programming lessons for new members

Entrepreneurial Competitor - *DECA Competition*

September 2017 - April 2019

- Developed a winning startup company idea called *Spark*; a parking lot management system designed to minimize traffic in major cities

PROJECTS

FedoraField | Unity, Adobe Illustrator

- Developed a unique top-down video game in which players interact with the environment and enemies' projectiles using gravitational and electromagnetic fields instead of a weapon

Tangible | Arduino, Unity

- Constructed and programmed a "universal touch-screen" ultrasonic accessory that can be installed on any non-touch monitor to turn it into a touch-screen 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 principles

INTERESTS

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

EDUCATION

High School Diploma - The Woodlands Secondary School | *Enhanced Learning Program*

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

OTHER EXPERIENCE

Intern - *Petro Laboratories Inc.*

July 2019 - August 2019

- Recovered over \$25,000 from outstanding invoices by streamlining the payment recovery process
- Prepared data tables for chemical analyses and assisted chemists 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

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