

# Alysha Wang

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## SKILLS AND INTERESTS

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**Technical Skills:** Java, C, C++, Javascript, Node.js, Python, HTML, Java Swing, Eclipse Window Builder, PiCamera, WPILib, OpenCV, React.js, CSS

**Soft Skills:** Communication, Empathy, Collaboration, Management, Problem Solving, Adaptability, Analytical Thinking

**Interests:** Piano, Painting, Embroidery, Badminton, UI/UX Design

## EXPERIENCE

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**President** Oct. 2019 – Jun. 2022

*Leadership, Enrichment, and Development Club*

*Markham District H.S*

- Partnered with 360Kids to fulfill the wish-lists of **30 at risk and homeless youth**
- Managed a **team of 30 members** to implement a mental health campaign, **impacting 70+ students**
- Led the executive team by communicating with teacher advisors, innovating leadership and team building events, and delegating tasks to executive members

**Junior Achievement Human Resources Member** Sept. 2018 – Jun. 2021

*The Kaizen Project and Studypod*

- Co-founded **two podcast companies** to aid high school students develop their future
- Reached out to secure **20+ guest speakers and 6 sponsors** for the Kaizen Project, generating **\$830+ in sales and raising \$100+ for 360Kids**
- Networked with 50+ business professionals to pitch the company's product, **increasing our investors by 110%**

**Executive Member** Sept. 2018 – Jun. 2021

*Markham Classics Club*

*Markham District H.S*

- Collaborated with fellow executives to host events such as study sessions for **100+ members**
- Awarded provincial champion at the Ontario Student's Classics Conference and the Certamen Competition
- Received Silver in the National Latin Vocabulary Exam and Bronze in the National Classical Etymology Exam

## PROJECTS

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**Motorized fish controlled vehicle** | *OpenCV, Node.js, WPILib, Python, HTML, Javascript* Sept. - Dec. 2022

- Built an autonomous vehicle controlled by a live fish or joystick using **OpenCV and a Raspberry Pi** to interact with a camera motion sensor alongside four other developers
- Developed an algorithm using **Node.js** to calculate vehicle direction and speed using coordinates
- Created a virtual joystick using **HTML and JavaScript** to control the vehicle by interacting with the backend

**Math Quiz** | *Java, JavaSwing, Eclipse Window Builder* Jun. 2022

- Designed an interactive program to test the user's knowledge on various mathematics topics
- Implemented a Java graphical user interface with JRadioButtons, JSliders, JCheckboxes, JButtons, JComboBoxes, and JSpinners using JavaSwing and Eclipse Window Builder

**Calculator** | *Java, JavaSwing, Eclipse Window Builder* May 2022

- Developed a functioning calculator using Java, JavaSwing and Eclipse Window Builder

## AWARDS

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**York Region District School Board Top Scholar** Jul. 2022

- Awarded to the **top 8** academic students across a school board containing **10,000+ students**

**Junior Achievement Company of the Year Award for Social Enterprise** Jun. 2020

- Awarded to the top company within **42 teams** to make the most impact for social wellbeing
- Finalist for the Company of the Year Award for Best Brand in 2021

## EDUCATION

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**University of Waterloo**

*Bachelor of Software Engineering, Honours, Co-op - 3.6/4.0 GPA*

*Sept. 2022 – Present*

- Activities: Computer Science Club, Women in Computer Science Club, Data Science Club