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# MELANIA YOO | HIGHSCOOL STUDENT/ASPRING ENGINEER

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## PROFESSIONAL SUMMARY

I am an aspiring engineer. I am currently in my senior year in high school and working hard to pursue my dream. I am more of a listener than a speaker and a trustworthy, organized person. I always like to think big and approach new problems creatively.

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## SKILLS

### Programming:

- ✓ Python
- ✓ HTML/CSS
- ✓ Java

### Certificates:

- ✓ RCM Violin Level 6
- ✓ RCM Music Theory Level 8
- ✓ Standard - CPR/AED/First-Aid

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## LEADERSHIP EXPERIENCES

### XdHacks Mini Vancouver

Director of Finance | June, 2022 - September, 2022

- Applied for grants for a hackathon called Hackducation 2022
- Attend weekly meetings to plan hackathon.

### Surrey Youth Orchestra

Section Violinist | September, 2018 - May, 2022

- Auditioned for positions in orchestras every year.
- Played violin for 5 years.

### The Hands Foundation

President & Co-Founder | April, 2021 - Present

- Received \$750 grants from Rising Youth Foundation (funded by the government of Canada).
- Donated \$223.28 to Abbotsford Food Bank in regards to BC Flood.
- Donated \$250 to the Canadian Red Cross to support the Ukraine Humanitarian Crisis Appeal.

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## RELEVANT PROJECTS

### Parametric Curve Visualization

- Graphed parametric curves on CodeSkulptor3.
- Used functional programming techniques to switch between functions using buttons on the frame.
- Drew tangent and normal line on current points of the curve by calculating the approximate slope

### Personal Website

- Designed a personal portfolio website showcasing skills, experiences, and projects.
- Wrote code for the website from scratch with HTML/CSS.

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## EDUCATION

### 2018 - 2023 | Fleetwood Park Secondary School

- Poster Head of Student Council 2021/2022
- Social Media Head of Best Buddies
- A Honour Roll Student
- Computer Science Co-op program

AP Calculus AB (5/5)

AP Calculus BC (5/5)

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