

Amy Hu

1B Computer Engineering

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trotyl.xyz

trotyl15

SKILLS

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| Languages | Java, C/C++, Python, HTML, CSS, JavaScript, Haskell |
| Frameworks | Swing, Hexo |
| Others | Java Network Programming, 3D Modeling, Live2D Modeling |
| Prototyping | STM32 Nucleo, Arduino |
| Tools | Git, GitHub, \LaTeX , Blender, Nomad Sculpt, Live2D Cubism, Excel |

EXPERIENCE

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| Jun 2020 | Software and Curriculum Developer Intern, RICHMOND HILL, HATCH CODING <ul style="list-style-type: none">> Developed games to teach kids coding.> Completed several projects either by myself or collaborated with other colleges.> Used JavaScript and/or Python for each project.> Wrote descriptions and explanations on how and why the programs work certain way. <div>Python</div> <div>JavaScript</div> |
| Feb 2020 | |

PROJECTS

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| PERSONAL WEBSITE AND BLOG | FEB 2020 - PRESENT |
| <div>github.com/trotyl15/trotyl-home</div> <div>trotyl.xyz</div> <div>blog.trotyl.xyz</div> <ul style="list-style-type: none">-Self taught HTML and CSS to create the website which includes my past projects and informations about myself.-The blog is based on the Hexo framework and I add custom designs using JavaScript and CSS.-Deployed using Github page and hosted on Vercel and Cloudflare. <div>HTML</div> <div>CSS</div> <div>JavaScript</div> <div>Hexo</div> | |
| THE MADHOUSE ADVENTURE GAME | DEC 2019 - JAN 2020 |
| <div>github.com/trotyl15/themadhouse</div> <ul style="list-style-type: none">-An adventure game written in Java.-Designed, coded, and drew the illustrations of the game all by myself. <div>Java</div> <div>Swing</div> | |
| LOCAL AREA NETWORK CHATTING PROGRAM | DEC 2020 |
| <div>github.com/trotyl15/chatclient</div> <ul style="list-style-type: none">-Built the client side of the local network chatting program.-Users can see a list of users online, talk to all of them, and send private messages to individuals. <div>Java</div> <div>Java Socket</div> <div>Swing</div> | |
| MUSIC PLAYER PROGRAM | DEC 2020 - JAN 2021 |
| <div>github.com/trotyl15/dubertunes</div> <ul style="list-style-type: none">-A local music player that can transfer files between clients using Java socket.-The users can add/remove music, sort music by date/alphabet, has a floating window version, and can transfer files between Web clients. <div>Java</div> <div>Java Socket</div> <div>Swing</div> | |

EDUCATION

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| Apr 2026 | University of Waterloo, 1B COMPUTER ENGINEERING, Candidate of Bachelors of Applied Science Relevant Courses : Fundamentals of Programming, Engineering Profession, Practice and Communication in the Engineering Profession |
| Sep 2021 | |