

# TYLER CHAN

[tyler@tylerchan.me](mailto:tyler@tylerchan.me)   <http://tylerchan.me>   <https://github.com/DeBestTrap>

<b>EDUCATION</b>	Rensselaer Polytechnic Institute, Troy, NY Bachelor of Science in Computer Systems Engineering & Computer Science Expected Graduation: December 2023 G.P.A. 3.7/4.0	
<b>RELEVANT SUBJECTS</b>	<b>Multidisciplinary Capstone Design</b>	Fall 2022
	Currently working with a team to design and create a product for a sponsor.	
	<b>Rensselaer Center for Open Source (RCOS)</b>	Summer & Spring 2022
	A community of students who develop open source projects. Worked on the project, <a href="#">OpenCircuits</a> , in the Summer. Currently working on, <a href="#">Overlord-Bot</a> , this Spring.	
	<b>Intro to Algorithms</b>	Spring 2022
	Modern algorithm design and analysis. Utilized dynamic programming in an autocomplete feature in a personal project (Sekaidle).	
<b>SKILLS</b>	<b>Electric Circuits</b>	Spring 2022
	First and second order circuit analysis and creation. For a design based lab, created a prototype haptics glove with electronic components on breadboards.	
	<b>Embedded Control</b>	Fall 2021
	Developing software and hardware for embedded systems. For lab, programmed an MSP432 microcontroller driving a TI Robotic Car.	
	<b>Programming Skills</b>	Python, C, C++, Java, Lua, LaTeX
	<b>Language Skills</b>	Cantonese, Mandarin, Japanese
<b>EXPERIENCE</b>	<b>Software Skills</b>	Git, CAD, Office Studio
	<b><a href="#">Overlord Bot</a></b>	2022-Present
	Overlord is an open source Discord bot designed by RPI students for RCOS. Currently working on various subprojects for the bot.	
	<b><a href="#">OpenCircuits</a></b>	Summer 2022
	OpenCircuits is an open source circuit design software designed and maintained by RPI students for RCOS. Programmed the ability to bus components together in circuit.	
	<b><a href="#">Ferris Bot</a></b>	2021-Present
	Created a Discord bot, Ferris, that can create polls that update live when voted on.	
	<b><a href="#">Sekaidle Bot</a></b>	2022-Present
	Recreated the country guessing game, worldle, that can be played in discord.	
	<b>Microcontroller Projects</b>	2021-Present
	Recreated pong on an Arduino Nano: <a href="#">scratch-pong</a> .	