

GAVIN BORNE

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SUMMARY

Seeking a co-op/internship in computer science, software engineering, frontend development, backend development, or other related positions.

EDUCATION

Rochester Institute of Technology <i>Bachelors of Science in Computer Science; GPA: 3.940/4.000</i>	Aug. 2024 – May 2029 Henrietta, NY
<ul style="list-style-type: none">Relevant Coursework: OOP/OOD, Algorithms, Databases, Automata Theory, Linear Algebra, PhysicsHonors & Scholarships: Dean's List (3 semesters), RIT Presidential Scholar	

TECHNICAL SKILLS

Languages: Python, Java, C, Rust, HTML, CSS, JS, TS, Lua/Luau

Frameworks: discord.py, pytest, PIL, JavaFX, JUnit, Spring Boot, Angular

Developer Tools: Git/GitHub, LLMs, Docker, Maven, SSH, React, SQL, Rojo, VSCode

AI-Assisted Engineering: Prompt engineering, LLM-driven code generation & debugging (ChatGPT, Copilot, Claude)

PROJECTS

<u>FizzBuzz</u> <i>Python, discord.py, PIL, Git</i> <i>(personal, solo)</i>	Nov. 2024 – Present
<ul style="list-style-type: none">Building a feature-rich Discord bot using discord.py with game commands, moderation tools, and role customizationDesigning SQLite-backed persistence for user and guild dataImplemented extensible command/help architecture	
<u>ironclad</u> <i>Python, Git</i> <i>(personal, solo)</i>	Sep. 2025 – Present
<ul style="list-style-type: none">Developing a Python library for runtime type enforcement and contract validationDesigned decorators for type checking, value constraints, and function overloadingModeled a predicate system that acts as the backbone of the library as well as a highly extensible API	
<u>Zen</u> <i>C, Git</i> <i>(personal, solo)</i>	Oct. 2024 – Present
<ul style="list-style-type: none">Engineering a statically-typed, compiled language in C from scratchImplementing lexer and AST-based parser for expression evaluation	
<u>Cat-Server-DCO</u> <i>Luau, Roblox Studio, Git, Rojo</i> <i>(personal, group)</i>	May. 2025 – Jun. 2025
<ul style="list-style-type: none">Collaborated on gameplay systems including checkpoints and timed mechanicsImplemented persistence for user data storage across sessions	

EXPERIENCE

Student Lab Instructor <i>Rochester Institute of Technology</i>	Aug. 2025 – Dec. 2025 Henrietta, NY
<ul style="list-style-type: none">Supervised and guided 14 students during problem solving and lab sessions 4 hrs/wkGraded student labs and projects on average 6 hrs/wkTutored students at in-person walk-in sessions located in the tutoring center 2 hrs/wkDiscussed grading and upcoming labs/projects in meetings with the professor and other SLIs 1 hr/wkProctored two in-person practical exams	
Detail Technician <i>Delta Sonic Car Wash</i>	May 2025 – Aug. 2025 Fairmount, NY
<ul style="list-style-type: none">Worked numerous customer-facing roles including detailing, waxing, and presenting customer vehicles	