

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

Aug. 2024 – May 2029

Bachelors of Science in Computer Science; GPA: 3.940/4.000

Henrietta, NY

- **Relevant Coursework:** OOP/OOD, Algorithms, Databases, Automata Theory, Linear Algebra, Physics
- **Honors & 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

FizzBuzz | Python, discord.py, PIL, Git | (personal, solo)

Nov. 2024 – Present

- Building a feature-rich Discord bot using discord.py with game commands, moderation tools, and role customization
- Designing SQLite-backed persistence for user and guild data
- Implemented extensible command/help architecture

ironclad | Python, Git | (personal, solo)

Sep. 2025 – Present

- Developing a Python library for runtime type enforcement and contract validation
- Designed decorators for type checking, value constraints, and function overloading
- Modeled a predicate system that acts as the backbone of the library as well as a highly extensible API

Zen | C, Git | (personal, solo)

Oct. 2024 – Present

- Engineering a statically-typed, compiled language in C from scratch
- Implementing lexer and AST-based parser for expression evaluation

Cat-Server-DCO | Luau, Roblox Studio, Git, Rojo | (personal, group)

May. 2025 – Jun. 2025

- Collaborated on gameplay systems including checkpoints and timed mechanics
- Implemented persistence for user data storage across sessions

EXPERIENCE

Student Lab Instructor

Aug. 2025 – Dec. 2025

Rochester Institute of Technology

Henrietta, NY

- Supervised and guided 14 students during problem solving and lab sessions 4 hrs/wk
- Graded student labs and projects on average 6 hrs/wk
- Tutored students at in-person walk-in sessions located in the tutoring center 2 hrs/wk
- Discussed grading and upcoming labs/projects in meetings with the professor and other SLIs 1 hr/wk
- Proctored two in-person practical exams

Detail Technician

May 2025 – Aug. 2025

Delta Sonic Car Wash

Fairmount, NY

- Worked numerous customer-facing roles including detailing, waxing, and presenting customer vehicles