

Parker TenBroeck

📍 St. Catharines, Ontario | 📧 parkertenbroeck@gmail.com | ☎ 289-987-3739 | 🌐 parkertenbroeck.com
ParkerTenBroeck

Education

Brock University *BSc Honours Computer Science (Major GPA: 90%)* Sept 2022 - Dec 2025

Experience

Programming and Manufacturing Mentor *Jan, 2022 - April 2025*
FIRST Robotics Team 1114 Simbotics

- Teach students how to effectively and safely use manual mills.
Reading part sheets, setting up materials/tools, and machine operation order.
 - Introduce new students to programing(java) while familiarizing them with the teams codebase.
 - Provide assistance when asked by students for homework, personal projects, or robotics work.

Computer Technician
Renewed Computer Technology Niagara(RCT Niagara) St. Catharines, ON
April - Sept. 2023

Bicycle Mechanic Mississauga, ON
Trek Bicycle Store Mississauga April - Sept. 2022, 2025

Student Summer Maintenance Position
Municipal Works, City of St. Catharines, Ontario

Skills

- Experienced software developer in Rust, Java, and C.
 - Comfortable using version control systems(git) to collaborate on projects.
 - Extensive experience in developing for both Linux and Windows operating systems.
 - Leadership and team collaboration experience from mentoring robotics and volunteering

Projects

Ticket Express [repository](#) ↗

- Developed a SaaS with a large group using software engineering team collaboration tools/processes.
 - Applied SCRUM development and used GitHub Projects to coordinate team efforts
 - Tools Used: Java, SQL, HTML, Javascript, CSS

Quality Control System (RCT Niagara) repository ↗

- Developed a quality control system for outgoing computer systems to track and speed up process of quality control.
 - Tools Used: Rust, SQL, HTML, JavaScript, CSS

Custom Operating System/Kernel repository ↗

- Built a kernel and bootloader for the Milk-V DUO S RISC-V development board
 - Implemented VGA driver, UART driver, virtual memory support, rudimentary scheduling
 - Tools Used: Rust, C, RISC-V ASM

Technologies

Languages: Rust, Java, C, C++, SQL, Risc-V, MIPS

Technologies: Linux, JVM, SQLite