

Parker TenBroeck

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

Education

Brock University
BSc Honours Computer Science (Major GPA: 90%)

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 programming(java) while familiarizing them with the teams codebase.
- Provide assistance when asked by students for homework, personal projects, or robotics work.

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


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

Student Summer Maintenance Position *St. Catharines, ON*
Municipal Works, City of St. Catharines, Ontario *June - Aug. 2021*


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