

Parker TenBroeck

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🔗 ParkerTenBroeck

Education

Brock University Sept 2022 - Dec 2025
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

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- 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