

Peter MacAulay

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ABOUT ME

Computer Science student at Mount Allison University with experience in software development, web development, systems work, and team-based projects. Strong interest in problem-solving, system design, communication, and interdisciplinary thinking through philosophy and mathematics.

EDUCATION

Mount Allison University, Sackville New Brunswick

Sept 2022 - Oct 2026 (Expected)

Bachelor of Science - Major in Computer Science w/ minors in Philosophy and Mathematics

Technical Skills

- **Languages:** Java, Python, C, Lisp, Prolog, SQL, Bash
- **Web:** HTML, CSS, PHP
- **Concepts:** Data Structures, Object-Oriented Programming, Algorithms, Networks, Agile Software Development, Database Management
- **Tools:** Experience with Linux, Windows, macOS, Virtual Machines, Figma, and Docker

PROJECTS

Personal Website (Sept 2025 - Present)

GitHub Link: <https://github.com/PeterMacAulay7/website-petermacaulay.ca>

- Designed and developed a personal portfolio website to showcase projects and technical work
- Built using PHP, HTML, and CSS with a focus on structure and maintainability
- Serves as a foundation for future development and experimentation

MP3 Wrapped (Rockbox Data Analyzer) (Jan 2026 – May 2026)

GitHub Link: <https://github.com/PeterMacAulay7/MP3Wrapped>

- Designed and built a tool to generate Spotify Wrapped-style summaries from Rockbox Mp3 Player data
- Processed and analyzed listening history data to extract usage statistics and trends
- Implemented data parsing and transformation pipeline for log-based input files
- Built user-facing output (e.g., summaries/visualizations/reports) for personal music insights
- Designed for public usability with configurable inputs and reusable workflow

Document Search and Management Tool - Term Project (Sept 2025 – Dec 2025)

GitHub Link: <https://github.com/PeterMacAulay7/SoftwareDesign-DSMS>

- Collaborated with a small team to design and develop software for organizing and retrieving documents efficiently, locally or online
- Implemented back-end search functionality and document processing
- Aided with front-end implementation
- Written in Java

Board Game Simulation - Term Project (Jan 2024 – Apr 2024)

GitHub Link: <https://github.com/PeterMacAulay7/MeadowsAndNightmares>

- Collaborated in a small team to design and implement a digital version of a physical board game
- Implemented in Java using object-oriented programming principles

WORK EXPERIENCE

MacAulay Farms, Souris PEI - Farm Labourer

Apr 2020 – Aug 2025 (seasonal)

- Operated heavy machinery and performed equipment maintenance
- Conducted quality assurance for agricultural products
- Worked in physically demanding, time-sensitive environments

21-Breakwater, Souris PEI - Kitchen Assistant / Dishwasher

Apr 2021 – Aug 2022

- Assisted with food preparation, including salads, desserts, and small dishes during service
- Plated dishes with attention to presentation and consistency
- Maintained a clean and organized workstation throughout fast-paced shifts
- Washed dishes and helped maintain steady kitchen flow during peak hours
- Supported kitchen staff across multiple roles to keep service running smoothly
- Worked efficiently under pressure in a high-volume restaurant environment

EXTRACURRICULARS

- MtA Presents: The Improv - Team Member (2024-2026)
 - Performed live improv, developing quick thinking and adaptability
 - Built strong communication and audience engagement skills
 - Collaborated closely with a team in dynamic, unscripted environments
- Mount Allison University Intramural Hockey (2022-2025)
- Prince Edward Island Minor Hockey (2007-2022)
- Assistant Coach of a U13 lacrosse team (2019)
 - Assisted in coaching and mentoring young athletes in a team environment
 - Helped organize practices and support skill development