

# Peter Tillmann

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## EDUCATION

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### York University | Bachelor of Science in Computer Science

April 2025

Currently enrolled in York Honors BSc with a major in Computer Science and completed many programming courses that feature highly transferable problem solving skills with a strong foundation in scalable code, data analytics, and business intelligence, including Introduction to Database Systems (SQL & DBMS), Advanced Data Structures, Software Design (React), OS Fundamentals (C), Data Mining, Advanced Object Oriented Programming (Java), Building E-commerce Systems, Compilers and Interpreters, Linear Algebra, and Fundamentals of Accounting through Bus Essentials for Tech.

## TECHNICAL SKILLS

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**Programming Languages:** Java, Python, C, C++, HTML/CSS, SQL, and JavaScript.

**Frameworks:** React, Node.js, Spring Boot, and JUnit.

**Developer & Visualization Tools:** Power BI, Tableau, Excel VBA, Git, Amazon Web Services (AWS), Excel, MS Office, and Docker.

**Quantitative & Critical Thinking Skills:** Strong mathematical, statistical, and analytical skills with experience in data manipulation, pattern recognition, and deriving insights displayed through various coursework in data mining and projects.

**Soft Skills:** Strong written and verbal communication, ability to manage competing priorities, and collaborate effectively in team environments developed through experience as a server.

## PROJECTS

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### PIAS Games (E-commerce Website)

December 2024

- Developed a fully functional e-commerce application with frontend using React and backend using Spring Boot.
- Key features:
  - User features: Login/logout, account registration, cart tracking, purchase history, product catalog.
  - Admin features: Admin accounts enable adding products, managing stock quantities, and viewing sales history.
- Integrated DBMS using SQL for tracking user accounts, product inventory, and order details.

### Nutrifit

September 2023

- Created a password-protected user health application used to track diet and exercise.
- Developed using Java, React frameworks, and SQL to handle backend user information.
- Includes various user-friendly logging pages.
  - Can calculate calorie intake and fat burned to provide estimates on future fat loss.
  - Implements Canada Food Guide feedback based on user input.
- Allows for easy visualization of statistics in graph form.

### B-Minor Compiler

November 2024

- Designed and implemented a compiler for a subset of C, named B-minor.
- Key functionalities include scanning, parsing, type-checking, and code generation.
- Strengthened knowledge of compiler design, programming language principles, and system-level programming.
- Demonstrated strong critical thinking and problem solving skills by translating complex concepts into practice.

## EXPERIENCE

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### Maple Downs Golf & Country Club | Server | Maple, ON

April 2018 - Present

- Served at banquets, weddings, and other high-pressure events during long work periods.
  - Developed effective communication and collaboration skills.
- Took on a leadership role as a team trainer.
  - Gained valuable insight in educating and motivating team members to create a productive, efficient work environment.