Brandon Kochnari

Software Engineer

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🐙 BrandonKochnari

EDUCATION

University of Toronto - Honours Bachelor of Science - Computer Science Specialist
*Expected Graduation: April 2028 | **Relevant Courses:** Software Design, Data Structures & Analysis, Software Tools & Systems Programming*
Alexander Mackenzie High School - High School Diploma
Graduated: June 2024 | 95 Average in Top 6 University Level Courses

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TECHNICAL SKILLS

Programming Languages: `Java` `Python` `C#` `C` `HTML` `CSS` `Visual Basic` `JavaScript`
Software & Tools: `GitHub (Version Control)` `Microsoft Office` `PyCharm` `IntelliJ` `Eclipse` `Unity`
Learned Concepts: Object-Oriented Programming, Data Structures (Stacks, Queues, Linked Lists, Trees, Graphs), Algorithm Design & Complexity, Software Engineering Principles (testing, debugging, refactoring, version control), Clean Architecture, SOLID Principles, Automata & Computational Theory, Web development

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PROJECTS

Chess+ - ChessPlus.git   **Jul 2022 - Present**
Co-Founder & Head Developer
- **_Key Focus:_** *Algorithmic logic, OOP Design, Long-Term Development, Team Management*
- Co-led the development of Chess+, an **innovative chess game** with custom piece abilities and stat-based gameplay.
- Spearheaded the transition from **Python to Unity (C#)** to improve **scalability** and performance.
- Managed **team coordination**, **project planning**, and feature implementation to drive development.

Finance Tracker - finance-tracker.git   **Oct 2025 - Dec 2025**
Co-Software Developer
- **_Key Focus:_** *Clean Architecture, Modular Design, Collaborative Development, Use-Case Driven*
- Designed a dynamic **personal finance application** using **Clean Architecture** principles.
- Implemented **budget tracking**, **categorized transactions**, and **spending analysis** features.
- Contributed to system design and core business logic in a **collaborative team project**.

Congress Trade Analysis - congress-trade-analysis.git   **Mar 2025 - Apr 2025**
Software Developer
- **_Key Focus:_** *Data Analysis, Visualization, Structured Dataset Handling*
- Developed a **Python application** to analyze U.S. congressional stock trades with **automated data filtering** and win-rate calculations
- Implemented **graph** and **BST structures** and created **interactive visualizations** using **NetworkX**, **Graphviz**, and **Plotly**

AWARDS

Ted Mossman Scholarship
Awarded the Ted Mossman Scholarship by the _University of Toronto_ for demonstrating exceptional academic promise and performance.

Ontario Scholar
Achieved Honour Roll, throughout every year of _High School_, culminating in the Ontario Scholar Award.

LANGUAGES (FLUENT)

English
French
Persian

EXTRACURRICULAR ACTIVITIES

High School Film Club
Co-Founder & President
PlayForever
Community Volunteer - 100+ hours