


Brandon Kochnari

Software Engineer



 (647) 877-7350

 1 Hurst Ave., Maple, ON

 brandon.kochnari@gmail.com

 BrandonKochnari

EDUCATION

University of Toronto - Honours Bachelor of Science - Computer Science Specialist

Expected Graduation: April 2028 | CSC110, CSC111, CSC207, CSC209, CSC236, CSC258, CSC263

Alexander Mackenzie High School - High School Diploma

Graduated: June 2024 | 95 Average in Top 6 University Level Courses

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, Visual Basics

Software & Tools: GitHub, Git, Unity, IntelliJ, PyCharm, Eclipse, Plotly, NetworkX, Graphviz

Concepts: Object-Oriented Programming, Data Structures (Stacks, Queues, Linked Lists, Trees, Graphs), Algorithm Design & Complexity, Software Engineering Principles (testing, debugging, refactoring, version control), Formal Proofs & Mathematical Logic, Automata & Computational Theory

PROJECTS

Chess+ - ChessPlus.git

Jul 2022 - Apr 2024

Co-Founder & Head Developer

- 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.
- Implemented trigonometry-based movement **algorithms** and resolved **complex software bugs**.
- Managed **team coordination**, **project planning**, and feature implementation to drive development.

Math Odyssey - MathOdyssey.git

Jul 2023 - Aug 2023

Independent Developer

- Built a **Java-based** educational game using **object-oriented design** and **modular architecture**
- Implemented **recursion**, **algorithms**, and **data structures** to drive interactive gameplay
- Applied **testing** and **debugging** to ensure **stability** and **scalability**

Congress Trade Analysis - congress-trade-analysis.git

Mar 2025 - Apr 2025

Software Developer

- 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.

EXTRACURRICULAR ACTIVITIES

Aquatic First Aid Certification

Elgin West Community Centre

Co-Founder & President of Film Club

High School Film Club

Head of Special Events

High School Athletic Council

Environmental Conservation Volunteer

Local Enhancement & Appreciation of Forests (LEAF)