

Rahil Gandhi

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EDUCATION

Honours Bachelors of Science

09/2020 – 04/2024 | Waterloo, Canada

Wilfrid Laurier University

GPA:3.3

Relevant Coursework: Data Structures (Python and C); Calculus I; Object-Oriented Programming (Java); Windows Application Programming (VBA); Operating Systems; Software Engineering; Computer Networks; Artificial Intelligence; Internet Computing

PROJECTS

Toronto Airbnb Analysis 📊

(Tableau Public)

- Designed and developed interactive visualizations using Tableau Public, including bar charts, heat maps, and scatter plots, to effectively communicate trends and patterns.
- Explored correlations between pricing, location, and property features, providing valuable insights for both hosts and potential guests.
- Published the dashboard on Tableau Public, making it accessible to a wide audience and showcasing data visualization skills.

IOS Currency Converter

(Swift 5)

- Developed an IOS application to help convert to and from different currencies
- Designed a user-friendly interface that provides a list of all currencies that can be converted to and from, along with daily updates to ensure accurate conversions
- Used the application to help convert currencies more efficiently and accurately to assist with foreign exchange trading

Chess AI

(Python)

- Developed an advanced chess AI system capable of analyzing positions and making intelligent moves
- Conducted extensive testing and evaluation to assess the AI's performance against human players and established chess engines.
- Implemented efficient board representation and move generation algorithms to optimize the AI's performance

School Database

(VBA)

- Implemented a school database system to track student grades, class averages, and other relevant school data
- Allowed the user to add/remove data, as well as view data in the form of graphs
- Produced a report including a summary of the data given to show the user all the relevant information of the school database

PROFESSIONAL EXPERIENCE

Wilfrid Laurier Research Assistant

01/2021 – 04/2021

Wilfrid Laurier University

- Implemented algorithms in python to solve problems pertaining to supplementary difference sets by using SAT solvers
- Summarized research into a singular organized research paper to be published in a journal

LANGUAGES AND TECHNOLOGIES

C++ | C | Java | Python | C# | HTML | Excel | SQL | Swift | Node.js | PHP | Git