

Franco Aparicio

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EDUCATION

Honours Bachelor of Science in Computer Science

Greater Toronto Area, CAN

University of Toronto (CGPA: 3.95)

September 2022 – Summer 2026 (Expected)

Relevant Courses: AI Ethics, Assembly, Computer Organization,
Data Structures and Analysis, Software Design

International Baccalaureate Diploma: 40/45

Düsseldorf, DE

St. George's The British International School

August 2020 – May 2022

International General Certificate of Secondary Education (IGCSE): 9 in total

August 2019 – May 2020

EXPERIENCE

UTMHacks (Student Organization) Co-Founder and Executive

September 2023 – Present

University of Toronto

Toronto, CAN

- Founded and contributed to organization set-up.
- Created club website ([available here](#)) with React and directed volunteers for further contributions.
- Work in a team to plan and organize events for our members

LawGenie Co-Founder

May 2023 – October 2023

The Entrepreneurship Hatchery

Toronto, CAN

- Worked on founding a startup company with 3 other students
- Iterated and improved upon business plan and investor pitch over a 5 month period
- Conducted 40+ interviews with industry professionals including lawyers and legal clinic caseworkers
- Performed extensive secondary market research to validate business plan
- Became the lead pitch presenter and successfully delivered the [final pitch](#) leading to a nomination to continue to the Go-To-Market Stage

By George! (Student Podcast) Co-Founder

August 2021 – June 2022

St. George's The British International School

Düsseldorf, DE

- Founded, set-up, and helped produce the pilot season of the podcast ([available here](#))
- Worked in a team to plan, research, record, edit, and release each episode
- Established a working production model for the future of the podcast

PROJECTS

IB Timetabler | Blazor, Electron.NET, C#, HTML, CSS, SQLite

September 2021 – March 2022

- Developed a full-stack desktop application using Blazor server application framework and Electron.NET
- Implemented a modified version of the *Forward Checking* algorithm to generate timetables without conflicts
- Created an intuitive UI to view, manage, and export timetables
- Used various asynchronous processes and custom events/event listeners
- Produced UML, entity relationship, and flowchart diagrams along with concise documentation for the project

Sudoku as a Constraint Satisfaction Problem (CSP) | C#, Python

May 2021 – August 2022

- Implemented a Sudoku grid generator capable of creating boards of up to 25×25
- Posed Sudoku problems as CSPs in C# using OOP
- Coded the *Forward Checking* (FC) and *Maintaining Arc Consistency* (MAC) algorithms
- Collected and processed data comparing FC and MAC in a Microsoft Excel spreadsheet using Python
- Produced an extended piece of writing (~ 4000 words) on the topic and findings

TECHNICAL SKILLS

Languages: RISC-V Assembly, Java, C#, Python, SQL (SQLite), HTML/CSS, English, Spanish, German (B1)

Frameworks: React, Blazor, Electron.NET, Flask, Bootstrap, Bulma

Developer Tools: Git, IntelliJ, Rider, PyCharm, Visual Studio, Atom, DB Browser

Libraries: NumPy, Tensorflow, Scikit-learn, RegEx, Openpyxl

Other: Regular Linux and Windows user