Josh Villas

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Education

University of Toronto   *Sep 2024 – Present*
HBSc in Computer Science and Applied Statistics
- GPA: 4.0/4.0
- University of Toronto Scholars Award

St. Roch Catholic Secondary School   *Sep 2020 – Jun 2024*
OSSD
- GPA: 97.7
- Governor General's Academic Award, 2024 DPCDSB Top Ontario Scholar

Technical Skills

Skills: Scripting, Web Scraping, Data Visualization, Hardware, Networking

Languages: Python, R, Java, JavaScript, HTML/CSS, LaTeX

Projects

UofT Course Prerequisite Visualizer | *Python, SQL*   *Jan 2025*
- Built an interactive prerequisite tree visualizer with Streamlit.
- Wrote a web scraping script using BeautifulSoup to extract UofT course information from the school website.
- Stored course information in a DuckDB SQL database.

Costudify | *Python, JavaScript*   *Jan 2025*
- Created a web social media application with a team using React and Flask.
- Extracted information from ICS calendar files to store UofT student timetable info in an SQL database.

Home Server | *IT, Computer Networking*   *Nov 2024*
- Built a personal server using scrap computer parts to host software projects (website, scripts, etc.).
- Troubleshooted issues with Windows Group Policy not allowing remote connections.
- Set up port forwarding to host a Minecraft server.

Personal Computer | *Python, Excel, Power BI*   *Jun 2019 - Present*
- Built a personal computer and offered a computer building service.
- Wrote a script to log computer hardware data in an Excel spreadsheet to benchmark a newly installed CPU.
- Generated a report using Power BI to document the increases in performance for use on online forums.

Work

Audiovisual Technician   *Jun 2021 – Present*
Every Nation GTA
- Set up audiovisual systems for weekly church service livestreams and videos.

Youth in Policing Initiative   *Jul 2023 – Aug 2023*
Peel Regional Police
- Assisted police officers and adhered to a strict schedule and physical training regimen.
- Studied forensics, conflict resolution, and emergency management in courses at Sheridan College.