Josh Villas

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Technical Skills

Coursework: OOP, Data Structures, Recursion, Algorithm Analysis

Skills/Tech: Git, Web Technologies, Networks, Hardware, Scripting, Web Scraping

Languages/Tech: Python, R, JavaScript, HTML/CSS, Flask

Work

Audiovisual Team   *Jun 2021 – Present*
Every Nation GTA

- Set up and design audiovisual systems for church service livestreams to ensure smooth, error-free production.
- Operate cameras and troubleshoot issues during live music performances.
- Maintain a log detailing the condition of cameras, microphones, and other equipment, ensuring that all items are functional and accounted for.

Youth in Policing Initiative   *Jul 2023 – Aug 2023*
Peel Regional Police

- Assisted police officers and adhered to a strict schedule and physical training regimen.
- Took forensics and private security courses at Sheridan College, learning transferrable concepts such as writing detailed evidence documentation and risk management.

Projects

Personal Computer Report | *Python, Excel*   *Jun 2019 - Present*

- Built a personal computer to freely optimize the computer's components.
- Wrote a Python script to log computer hardware data to benchmark a newly installed CPU.
- Automated the benchmark process by using a script to launch various stress-test applications.

UofT Course Prerequisite Visualizer | *Python, JavaScript*   *Jan 2025*

- Built an interactive prerequisite tree visualizer with React and Flask to help students plan their semesters.
- Wrote a web scraping script to extract UofT course information and store it in a database.

Home Server | *IT, Computer Networking*   *Nov 2024*

- Built a personal server using scrap computer parts to host software projects (website, scripts, etc.).
- Set up a web server to host a website on a local network, allowing easy file transfer and remote script execution.
- Configured port forwarding to host a 24/7 Minecraft server.

Education

University of Toronto   *Sep 2024 – Present*
HBSc in Computer Science

- 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