Harlan Jazz Ferguson

FULLSTACK SOFTWARE ENGINEER

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Skills

- **Programming Languages:** Python, Java, C#, PHP.
- **Web Development:** HTML, CSS, JavaScript, TypeScript.
- **Frameworks:** React.js, Django, .NET Core, Swing.
- **Database Management:** Oracle SQL Developer, MySQL, SQLite3, MongoDB.
- **DevOps:** Linux environments, CLI commands and scripting, SSH, WSL, Docker, Azure.
- **Python Libraries:** Sci-kit, Pandas, Numpy, Tensorflow, matplotlib, tkinter, smtplib, Selenium.
- **Other:** Scrum Fundamentals Certified 2023, Git/GitHub, Microsoft Office, Raspberry Pi / Arduino

See Project Portfolio at the website linked above.

Work Experience

Arcadia Housing Coop | Maintenance Worker   **2021 - Present**

- Actively develops a website to reduce employee workload by streamlining services to be handled through the site. **Techstack:** React.js, Typescript, Python, Django, Docker
- Manages business IT infrastructure. Increased company security by incorporating modern security practices like stronger passwords, system backups, and ongoing training.
- Specializes in basic repairs including plumbing, electrical, drywall, painting, appliances, etc.

Urbane Cyclist | Co-Owner   **2012-2021**

- Oversaw daily operations and delegated tasks to mechanics. Top service and parts sales compared to other employees.
- Recorded $334,246.92 in sales for 2020 while a full-time student.
- Master bicycle mechanic capable of high-level repairs including suspension, internally geared hub specialization, hydraulic systems, wheel building, E-bike wiring, and metal repair.

Education

George Brown College, Advanced Diploma: Computer Programming and Analysis   **2024**

GPA: 3.30 | Dean's List

- Co-founder and VP of GBC Computer Science Club
- A- in Data Structures and Algorithms

George Brown College, Advanced Diploma: Business Administration   **2020**

GPA: 3.32

Achievements

- Top 27% globally and 15th place in Canada, IEEEXtreme 2022 (Competitive Programming Competition).
- Act in Space International Hackathon 2022, Semi-finalist runner-up for Canada.
- Runner-up, Bell Geekfest Hackathon 2022.