Ricardo Gao

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Personal Website |Linkedin |Github

Skills

- **Programming Languages:** Python, JavaScript, TypeScript, C, C
, SQL, HTML, CSS
- **Frameworks & Tools:** React, .NET Framework, Git, GitHub Pages, SharePoint, Power BI
- **Microsoft Office Suite:** Word, Outlook, Teams, PowerPoint (Advanced proficiency)
- **Core Competencies:** Software Development Lifecycle, OOP Principles, API Integration
- **Soft Skills:** English Fluency (Native), Detail-oriented, Technical Writing Excellence, Problem Solving, Stakeholder Engagement, Team Leadership

Education

Conestoga College   2024 Sep - Dec 2028

Software Engineering Technology   3.93/4.0 GPA

Professional Experience

Peer-Assisted Learning Leader for C Programming   (Jan 2025 – Apr 2025)

Conestoga College   Waterloo, ON

- Mentored students in C programming fundamentals, data structures, and algorithm design
- Developed personalized study plans using **Microsoft Office** tools, improving student quiz scores by 400% (20% textrightarrow 90%)
- Analyzed learning metrics using **Power BI** dashboards to track student progress and adapt teaching strategies
- Managed course materials via **SharePoint**, maintaining organization for 100+ weekly users
- Demonstrated **detail-oriented** approach through precise feedback on 50+ assignments

Executive Leader   (Oct 2024 – Present)

Google Developer Group   Waterloo, ON

- Directed 10+ coding workshops using **JavaScript** and **Python** for 500+ member community
- Collaborated with university partners (Wilfrid Laurier) to organize cross-institutional tech events
- Created technical documentation and presentations demonstrating **excellent technical writing skills**
- Managed software repository using **Git**, maintaining version control for collaborative projects
- Coordinated event logistics via **Microsoft Teams**, achieving 80%+ team meeting attendance

Project Experience

Personal Portfolio Website   (May 2024 – Present)

React Web Application   GitHub Pages Deployment

- Developed responsive front-end using **React**, **HTML5**, and **CSS3** with mobile-first design principles
- Implemented interactive UI components with modern **JavaScript (ES6+)** features
- Utilized Git for version control with 50+ commits demonstrating iterative improvement
- Optimized performance achieving 95+ PageSpeed score through image compression

C

Vehicle Management System   (Jan 2025 – Mar 2025)

Object-Oriented Application   Conestoga College

- Engineered .NET application employing **OOP principles** (inheritance, interfaces, abstraction)
- Developed CRUD operations with **SQL** database integration for vehicle data management
- Implemented **TypeScript** type-checking for API contract validation
- Created data visualization dashboards showing 30% efficiency improvement in processing

- Applied rigorous debugging demonstrating **detail-oriented** coding practices