

# Ricardo Gao

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## Skills

Personal Website | [Linkedin](#) | [Github](#)

- **Programming:** Python, JavaScript, TypeScript, C, C#, SQL, HTML/CSS, React, Java (learning)
- **Tools & Concepts:** Git, Microsoft Office, SharePoint, Power BI, .NET, Object-Oriented Programming (Inheritance, Interfaces, Delegates)
- **Systems Development:** Full-stack development (HTML/CSS/JavaScript), C# applications, Data visualization
- **Professional:** Code explanation and mentoring, Detail oriented, Technical writing and grammar, Technical communication, Stakeholder engagement, Performance tracking
- **Core Strengths:** Problem-solving, Time management, Research & analysis, Team collaboration, Leadership

## Education

**Conestoga College** 2024 Sep - Dec 2028  
Software Engineering Technology 3.93/4.0

## Professional Experience

**Peer-Assisted Learning Leader for C Programming** (Jan 2025 – Apr 2025)  
Conestoga College Waterloo, ON

- Applied **technical explanation skills** by mentoring students in C programming, elevating struggling student from 20% to 90% quiz scores (400% improvement) through targeted guidance
- Developed **communication skills** through technical problem-solving sessions using Microsoft Teams, providing real-time coding feedback to peers
- Designed **data visualization dashboards** with Power BI to track cohort performance, enhancing session effectiveness and participant outcomes
- Created detailed **technical documentation** including weekly session plans (2/week) and resource materials using SharePoint and Microsoft Word

**Executive Leader** (Oct 2024 – Present)  
Google Developer Group Waterloo, ON

- Led technical community of 500+ developers, organizing 5+ workshops on modern web technologies including **React** and **JavaScript**
- Demonstrated **technical communication skills** creating developer documentation and presentations using Microsoft PowerPoint
- Managed cross-team collaboration using SharePoint, coordinating technical workshops with academic institutions including Wilfrid Laurier University
- Developed **leadership** and **problem-solving abilities** through event logistics planning and participant engagement strategies

## Project Experience

**Personal Portfolio Website Developer** (May 2024 – Present)  
Self-Initiated Development Project Waterloo, ON

- Built responsive portfolio website using **HTML**, **CSS**, and **JavaScript** with React components
- Engineered mobile-responsive design using modern CSS techniques including **Flexbox** and **Grid**
- Demonstrated **software documentation skills** through clean, commented code and technical specifications
- Incorporated performance optimization strategies including image compression and script minimization

**C# Vehicle Management System** (Jan 2025 – Mar 2025)  
Academic Project · Conestoga College Waterloo, ON

- Designed object-oriented C# application implementing **OOP principles**, **interfaces**, and **delegates**
- Developed interactive UI/UX with **GUI components** and integrated SQL data management
- Created **data visualizations** for analyzing vehicle performance metrics (30% processing time reduction)
- Applied **detail-oriented approaches** to exception handling and input validation, ensuring system reliability