

# Reuben Varghese

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## EDUCATION

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### Western University

*B.Sc. in Computer Science with Ivey Advanced Entry Opportunity (AEO)*

London, ON

Sept 2025 – May 2029

## PROJECTS

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### WFN Browser

2025-2026

*TypeScript, Javascript, HTML, CSS*

London, ON

- Developed a custom browser interface inspired by Arc-style vertical tabs and workspaces, enabling structured tab organization and navigation
- Implemented interactive tab components, event-driven state updates, and UI rendering logic
- Built reusable components for tab switching, context menus, and workspace management

### Commercial Real Estate Financial Modeling Project

2025

*Excel, Python (Pandas), Financial Modeling*

Toronto, ON

- Built a cash-flow model for an income-producing property, estimating cap rate, and returns with different scenarios.
- Analyzed financing structures using leverage assumptions, interest rates, and debt service coverage to evaluate risk.

## EXPERIENCE

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### AI Consulting Intern

May 4 2026 – August 28 2026

*Intercept*

Toronto, ON

- Collaborated with the CTO to translate business requirements into AI-driven technical solutions and workflows
- Researched and evaluated emerging AI tools while developing prototypes and internal product solutions
- Created client-facing deliverables and presentations to communicate technical concepts and business impact

### AI/ML Student Research

Jan 19 2026 – Present

*University Health Network*

Toronto, ON

- Developed survival-analysis models using clinical datasets in Python (Pandas, scikit-survival)
- Implemented Kaplan–Meier estimators, Cox proportional hazards models, and DeepSurv neural networks to analyze time-to-event outcomes

### Director of Operations

Sept 2023 – Present

*Gen Connect*

Toronto, ON

- Founded a registered non-profit connecting youth with elders through community programming, overseeing strategy and financial planning
- Led technical coordination for events, integrating digital tools for planning & outreach to improve efficiency
- Executed data-driven marketing strategies that increased attendance and volunteer engagement by 40%

### Vice President of Projects

Oct 2025 – May 2027

*Western Founders Network*

London, ON

- Led teams in organizing and mentoring student-led full-stack projects, fostering collaboration and innovation
- Hosted technical workshops teaching React, APIs, ML structure, and Git version control, enhancing participants' technical skills and knowledge

### Small Business Owner (Photography Services)

Apr 2022 – July 2025

*Self-Employed*

GTA, ON

- Designed lightweight operational systems to manage scheduling, client tracking, and digital asset delivery
- Used analytics and SEO optimization to increase customer acquisition by 70%
- Built spreadsheet-based financial models to forecast revenue and monitor cash flow

## TECHNICAL SKILLS & INTERESTS

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**Analytics & Tools:** Excel (Pivot Tables, VLOOKUP, Modeling), SQL, Tableau, Powerpoint, Google Cloud

**Programming:** Python (Pandas/NumPy), JavaScript (React), Node, C/C++, HTML/CSS, Power BI, Java

**Interests:** Photography, Debate, Detective Movies, NBA, Capital Markets, Chicken Sandwiches