

Vidu Widyalkara

vwidyala@uwaterloo.ca | linkedin.com/in/viduw | github.com/VidsterBroyo | vidsterbroyo.com

EDUCATION

University of Waterloo

May 2030

Bachelor of Computer Science

- **Relevant Coursework:** Designing Functional Programs (Adv.), Alg. Design and Data Abstraction (Adv.), Tools and Techniques for Software Development

TECHNICAL SKILLS

Languages: Python, Typescript, SQL, HTML5, CSS3, Javascript, Java, C, C++, C#, Bash, Arduino

Frameworks & Libraries: Node.js, Express.js, FastAPI, Pandas, NumPy, ReactJS, Angular, TensorFlow, Matplotlib

Tools & Technologies: AWS, Git, Docker, Kubernetes, PostgreSQL, GraphQL, REST APIs, Linux, MongoDB

EXPERIENCE

TMX Group (TSX/MX)

Toronto, ON

Software Engineer

May 2026 - Present

- Wrote scripts & SQL to process millions of monthly transactions across **30+ clients** on TMX's AlphaX US exchange, delivering vital reconciliation data for clients & internal business teams
- Resolved production failures in **Lambda & S3** pipelines handling billing of 100 institutional MX/CDCC clients

Hack The North

Waterloo, ON

Backend Developer

Feb 2026 - Present

- Built a **sponsor-to-website content pipeline** using GH Actions to automatically fetch and publish submitted sponsor job postings & logos to hackthenorth.com, **saving FE team 15+ hours** of work
- Built a **Typescript** pipeline syncing thousands of Slack-submitted event ideas into a centralized Notion database, eliminating manual triage

UWBlueprint (Mississippi Farm to School Network)

Waterloo, ON

Software Developer

Jan 2026 - Present

- Develop an **Angular** webapp in an **Agile team of 10** to connect Mississippi farms to school food programs
- Designed & **optimized PostgreSQL** schema with **indexing strategies & foreign keys** to structure user data
- Engineered CRUD services using **Prisma and GraphQL** to support communication between farmers & educators

Minvest Finance

Remote

Co-Lead Software Engineer

Mar 2024 - Feb 2025

- Led a **team of 3** through full **SDLC** to ship a financial literacy platform using **ReactJS & TypeScript**
- Developed **Python APIs** to manage user data & application logic for a **paper-trading platform**
- Deployed **Dockerized microservices** on **Linux AWS EC2** servers using **ECS** to support live web applications
- Reduced cloud costs by a minimum of **CA\$580+ per year** through resource optimization & monitoring

Ontario Student-Led Chess Association

Milton, ON

Software Engineer

Mar 2024 - Jun 2025

- Built a heuristic Swiss System-based pairing algorithm to **automate match-ups** in competitions, saving organizers **60+ minutes** per tournament
- Automated the club's Chess Leaderboard management with JS, eliminating a dedicated volunteer role
- Designed & launched OntarioSLCA's website using **HTML, CSS, & Bootstrap**

PROJECTS

DiscoDig - Discord Chat Analytics Tool | *Typescript, plotly.js, ESBuild, Chrome Extension* [GitHub](#), [DiscoDig](#)

- Published a **Chrome Extension** with **350+ installs** enabling users to analyze **millions of Discord messages**
- Created Typescript pipelines to process, aggregate, and validate large client-side datasets
- Built an **analytics dashboard** using HTML/CSS, featuring word clouds, reply times, usage trends, ping frequency, & time graphs

vibesB2B - HackGT (Georgia Tech) | *Flask, Recall.ai, Webhooks, ngrok*

[Devpost](#)

- Developed an AI-powered app to analyze audience microreactions for live **speaker feedback & automated CRM**
- Built a **Flask ingestion pipeline** to process live audio/video streams for downstream ML analysis
- Placed **3rd overall** out of **1500+** participants