

Jacob Walchuk

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Education

UNIVERSITY OF ST. ANDREWS

2022–2025

M.A. (Hons) in Philosophy

- Standing 2:2 Honours, with a focus on symbolic logic and analytic metaphysics.
- Presented first-class papers at an undergraduate conference.

TRINITY WESTERN UNIVERSITY

2021–2022

B.A. in Politics

- Received a 4.23/4.3 grade average in my first year, before transferring.

WESTSIDE SCHOOL

2019–2021

- A*A*A*A-equivalent marks, per KCL's scale.

Work Experience

TECHNICAL ANALYST INTERN

Summer 2023

Kova Engineering, Ltd.

Langley, Canada

- Consulted with the CEO, CTO, and other members of the executive team to discover concerns around an improperly-scaled MySQL database with a ColdFusion frontend.
- Wrote a longform report that evaluated a full-stack overhaul to PostgreSQL and Next.js.
- Submitted a code proposal to the lead programmer, which secured and sped up the transition.

ASSISTANT I.T. TECHNICIAN

2018–2022

Kova Engineering, Ltd.

Langley, Canada

- Deployed laptops and servers running Windows, and iPhones using Apple Device Enrolment.
- Onboarded metallurgy technicians with little-to-no I.T. background.

REPAIR TECHNICIAN

2017–2018

Free Geek Vancouver

Vancouver, Canada

- Tested RAM, CPUs, and GPUs, and performed light component-level board repair.

Projects

- **BOOKTRACKER** – Reverse-engineered the SQLite schemas of a bibliography manager and notes app, and wrote a Node.js tool to push progress reports and notes to my website.
- **HOMELAB** – Ran a rackmount server at home, deploying KVM on Debian, and later, Xen.
- **OTHER PAST PROJECTS** include a URL shortener in Rust, a Mandelbrot renderer in Java, and many, many useful scripts.

Skills

- Certifications: CompTIA Linux+, IBM Data Analyst Certificate (Excel, Cognos, and R), IBM Data Science Certificate (Python).
- Languages: Mandarin (working proficiency), German (basic).
- Proficient in VBA, HTML/CSS/JS, and Emacs LISP.
- Interests: Linguistics, social and economic history, and corporate finance.