

Aaron Perkel

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EXPERIENCE

Network Technician

May 2025 – Present

University of Vermont – Burlington, VT

- Support campus-wide networking and telecommunications infrastructure within an enterprise environment
- Execute department-level phone system migrations from Nortel to Cisco
- Install, mount, and patch wireless access points across campus buildings

Computer Science Teaching Assistant

Jan 2024 – May 2025 • 1 yr 5 mos

University of Vermont – Burlington, VT

- Built a Java autograder on JUnit that replaced manual grading for two courses
- Co-developed lecture materials and lab exercises for CS2100 & CS2300
- Reviewed weekly assignments and gave line-level feedback on student code

ETS Student Technician - Level II

Nov 2023 – May 2025 • 1 yr 7 mos

University of Vermont – Burlington, VT

- Primary IT support contact for UVM staff & students; triaged and escalated tickets
- Maintained internal documentation and assisted lower level techs

EDUCATION

University of Vermont — B.S. Computer Science, Mathematics Minor — completed in three years Aug 2022 – May 2025

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, C, C++, Java, PHP

Data: MySQL, TiDB Cloud, Schema design & migrations

AI Tooling: Claude Code, LLM-assisted development

Full-Stack: React, Next.js (App Router), Node.js, REST APIs, Tailwind CSS

Cloud & CI: Git, GitHub Actions, Vercel, Cloudflare, Docker, Linux

Interests: Aviation, Flight sim (VATSIM), FAA PPL

PROJECTS

- [iocon Graphics](https://iocongraphics.com) — Production storefront built for a working artist — iocongraphics.com
 - Sole engineer for a non-technical client: gallery, six order flows, a live order queue, moderated reviews, and an admin portal she runs herself — Next.js 15, TypeScript, TiDB Cloud; live and taking real orders
- [Utility Manager](#) — Internal tool for splitting shared household bills — Next.js rewrite of a PHP app
 - Rewrote a two-year-old PHP/MySQL app as Next.js 15 + TypeScript, migrating the live DB to TiDB Cloud and PDFs to Vercel Blob with no user interruption; email-code auth, cron scheduler, signed JSON API
- [UVM Sublets](#) — Sublet listings platform for UVM students — PHP/MySQL, NetID login, Leaflet maps, faceted filters
- [Blob Kart](#) — Two-player kart racer in C++ and OpenGL (GLFW/GLM) — physics, lap checkpoints, surface friction

HONORS & AWARDS

Golden Key Honor Society

Oct 2023