

Elio Di Nino

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Skills & Interests

- **Languages:** Python, Java, Golang, JavaScript, TypeScript, C, C++, Terraform/OpenTofu, Bash, SQL, HTML & CSS
- **Frameworks:** REST API, gRPC, Django, SQLAlchemy, Celery, FastAPI, Flask, Pytest, Gradle, JUnit, Node.js, Vite
- **Tools:** Git, SSH, Linux, Docker, Kubernetes, K9s, Helm, AWS, GCP, Jenkins, GitHub Actions, PostgreSQL, Redis
- **Interests:** Drones ([advanced license](#)), Cycling (2700 km/yr), [Landscape Photography](#) (6 yrs), Travelling (9 countries)

Education

University of British Columbia

May 2026

Bachelor of Applied Science – Computer Engineering

GPA: 88.6% | 3.9 / 4.0

Awards: Presidential Scholars Award (\$40,000), Applied Science Scholarships (\$6,500), ECE Scholarships (\$5,500)

Experience

Sentry

May 2025 – Aug 2025

Software Engineer Intern

Toronto, ON

- [Implemented per-upload observability](#) for millions of weekly uploads, **saving 30+ engineering hours every week**
- Unblocked Sentry's integration with Codecov by refactoring authentication in Django to enable a secure API tunnel
- Resolved an IP address spoofing vulnerability by adding trusted proxy logic, preventing user impersonation attacks
- Cut log costs and noise by 6% after resolving 500k weekly warnings from **Django**, SQLAlchemy, and Celery
- Made **317 open source contributions** through reviews and PRs, increasing monorepo commit velocity by 32%

BMO

Sep 2024 – Dec 2024

Infrastructure Engineer Intern

Toronto, ON

- Unblocked production service deployment by refactoring an **AWS** CDK codebase to comply with stricter policies
- Instrumented CloudWatch alarms for banking services, reducing incident response time **from minutes to seconds**
- Facilitated security scanning on numerous key S3 buckets through CloudFormation access policy management

IBM

Jan 2024 – Aug 2024

Software Engineer Intern

Toronto, ON

- Centralized secrets management by making a **Python** CLI, reducing tooling by 50% and rotation time by 20 min.
- Provided 7 million users free access to the OpenAI and watsonx.ai APIs with a daily quota by developing a custom JupyterLab Docker image and TypeScript API proxy service
- Saved hundreds of developer hours by orchestrating affordable on-demand staging environments in **Kubernetes**
- Engineered automatic vulnerability remediation and dependency updates across our codebase with the use of Dependabot, Mend, and custom GitHub Actions workflows, **reducing manual updates by 95%**
- Consolidated **TypeScript** Jupyter extensions to eliminate 500 duplicated lines of code and increase reliability by 5x
- Created UptimeRobot status pages and alerts for key services, reducing incident-related support tickets by 40%

D-Wave Quantum

May 2023 – Aug 2023

DevOps Engineer Intern

Vancouver, BC

- Deployed a unified Kubernetes-based development platform, boosting efficiency by 20% for 80+ engineers
- Eliminated redundant Jenkins pipelines by creating a centralized **Docker** build system with 6-line image configs
- Built Grafana dashboards with Prometheus metrics to track service SLOs and accelerate root cause analysis
- Standardized internal **Terraform** provider creation by developing a Golang template with Artifactory publishing

Activities

UBC Uncrewed Aircraft Systems, Student Design Team

Sep 2021 – Aug 2024

Captain & Software Lead

Vancouver, BC

- Led a team of 70+ cross-disciplinary students and managed a \$50,000 budget to compete in 2 annual competitions
- Revamped the team website using a Golang framework (Hugo) to decrease load times from 10s to 0.7s
- Improved the portability of our simulation software with **GitHub Actions** multi-arch Docker image builds ([UASITL](#))