

Varot Pavaritpong

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Education

University of British Columbia

B.A. in Computer Science

Expected Graduation: May 2027

Vancouver, Canada

Experience

IFS Copperleaf

September 2025 – Present

Software Developer - PlatOps (Co-op)

Vancouver, BC

- Revived critical CI/CD infrastructure by restarting and reconfiguring the TFSproxy pipeline using YAML on Azure DevOps; leveraged PowerShell scripts and AWS service connection tasks to restore reliable build automation and deployment processes
- Enhanced data privacy compliance by developing and integrating a script to anonymize PII data into a custom in-house database restore ADO task extension, enabling secure testing environments without compromising sensitive information
- Resolved breaking automated tests by debugging and fixing end-to-end (E2E) and smoke Cypress test suites, improving build stability and ensuring higher confidence in production deployments

Agoda (Booking Holdings)

June 2025 – August 2025

Infrastructure Intern

Bangkok, Thailand

- Enabled real-time SSD utilization and power monitoring for 6000+ ILO servers by extending Go-based scanning tools and integrating metrics into Whitefalcon and Grafana, creating time-series dashboards with histograms, gauges, and statistics to improve predictive maintenance and hardware lifecycle planning.
- Reduced manual intervention and enhanced infrastructure team visibility by automating the collection and Grafana-based visualization of time-sensitive server metrics, enabling faster issue detection through intuitive dashboards.

Trippy Global

Nov 2024 – May 2025

Full Stack Developer (Mobile)

Remote

- Led integration of Meta's Graph API with SpringBoot backend, implementing database caching to overcome API rate limits (30 calls/7 days) and ensure uninterrupted data access
- Designed and implemented a contribution reward system modeled after Google Maps, gamifying data input and increasing user engagement
- Designed and implemented 3 key iOS screens using React Native and Expo, reducing development time by 50% compared to native development

Technical Projects

PhishPatrol | *Twilio, OpenAI API, Elevenlabs, Nextjs, Snowflake*

October 2025

- Built real-time voice security simulator with Twilio, Paraformer/Whisper, GPT-4, ElevenLabs (FastAPI/WebSockets); auto-posts JSON debriefs to /api/security-assessments
- Delivered full-stack app (Next.js, FastAPI+Snowflake, click-to-call); automated scoring and actionable security insights

Airbnb Popularity Predictor (Academic) | *JupyterLab, Scikit-learn, Matlab*

October 2024

- Built a LightGBM model to predict Airbnb listing popularity with 62% R^2 score on test set
- Engineered 20+ features, including temporal and location-based data, using one-hot encoding and scaling
- Created geospatial and distribution visualizations to analyze patterns across 50,000+ NYC listings
- Benchmarked multiple models (Ridge, KNN, Random Forest) to compare prediction accuracy

CatClicker (Academic) | *Java, JavaSwing, Lanterna, JUnit*

Sep 2023 – Jan 2024

- Built a zoo-themed Java clicker game with save/load functionality using JSON
- Implemented GUI with Java Swing and managed persistent state and event interactions

Technical Skills

Languages: Golang, Python, Java, SQL, C++

Frameworks & Libraries: SpringBoot, Node.js, Swagger, Hadoop, Jest

Other Tools: GitLab, Docker, Kubernetes, AWS, Postman, Datagrip