

Lymeng Naret – Computer Science Graduate (Vancouver, BC)

6043450220 | lymengnaret@yahoo.com | <https://www.linkedin.com/in/lymengnaret/> | <https://github.com/NLmeng> | <https://thenaret.com/>

EXPERIENCE

- Software Developer in Test**, Safe Software, Vancouver, Canada Sept 2024 – Present
- Responsible for the JUnit test triage to improve test suite reliability of over 10,000 tests on 6 platforms.
 - Developed automated API testing framework with Postman & Cypress.
- Software Developer** (Volunteer), Blockchain Venture Capital, Toronto, Canada May 2024 – July 2024
- Researched and contributed to brainstorming sessions to improve the blockchain-ecosystem.
 - Enhanced the custom blockchain helping the startup to comply with Canadian regulations.
- Software Developer** (Volunteer), UBC Agrobot, Vancouver, Canada Nov 2022 – Oct 2023
- Utilized OpenCV & NumPy to enhance a navigation algorithm for real-time video frame object tracking, optimizing the robot's path-finding capabilities.
 - Developed performance tests for all existing algorithm with Python, ensuring smooth performance on mock field.
 - Integrated the navigation algorithm and UI with ROS 2 and Arduino, achieving autonomous navigation on a Jetson board to successfully navigate a mock field.
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EDUCATION

Bachelor's, Major in Computer Science, University of British Columbia, Vancouver May 2021 – May 2024

Dean's List, Trek Excellence, High Distinction

Relevant Courses: Applied Industry Practices, Advanced Software Engineering, Algorithm Design and Analysis

PROJECTS

- Portfolio Website** (Personal) –< TypeScript > Ongoing
<https://thenaret.com/>
- Developed and deployed a full-stack interactive portfolio using Next.js hosted on Vercel.
 - Incorporated scalable storage solutions with S3 & DynamoDB's NoSQL database and Sentry for error monitoring.
- API Query Language** (Personal) –< Java, Gradle, JUnit, OOP > Jan 2024 – Apr 2024
- Formulated ANTLR4 lexer and grammar for a DSL to simplify web-API interactions for developers.
 - Modularized and wrote unit tests, regression tests, and end-to-end tests with 100% line-coverage using JUnit.
 - Built a console UI with syntax highlight, coding area, and output terminal using Java Swing.
- LiveTranslator** (Personal) –< Python > Sep 2023 – Dec 2023
- Engineered a translation application with user-friendly interface, leveraging multi-threading for efficient performance.
 - Designed frame processors and utilized Pytesseract OCR, achieving a 100% improvement in accuracy.
- TravelersTea Web App** (Group) –< JavaScript, HTML, Tailwind CSS > May 2023 – Aug 2023
<https://travelerstea-906d.onrender.com/>
- Built a trip-generating app with MongoDB, Express, React, Node, Google Places API, OpenAI API, and Mapbox.
 - Led project architecture, CI/CD pipeline with Docker & GitHub Action, enhancing productivity in an agile team of 5.
 - Used Redux Toolkit with Thunks to manage global states with reducers & slices.
 - Implemented index caching system and data compression to improve API performance speed by 49%.
- Yojana Web App** (Built for Associated Engineering) –< TypeScript, MySQL, Azure > Jan 2023 – Apr 2023
<https://github.com/CPSC319-2022/Yojana>
- Implemented server-side rendering and authentication using Next.js and Next-Auth.
 - Ensured 95% functionality of components with Jest unit tests and automated regression tests using Cypress.
 - Led development of reusable UI components for a unique, enterprise web calendar with mobile support from scratch.
 - Created backend REST APIs for CRUD operations on calendar events and handled dates for different time zones.
 - Collaborated within a Scrum team of 8 to establish clean and concise business documentations.
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TECHNICAL SKILLS

JavaScript, TypeScript, Python, Java, C, C++, C#, JUnit, Cypress, Express.js, Node.js, HTML, CSS, SQL, MySQL, MS SQL Server, MongoDB, React, Redux Toolkit, jQuery, Angular, Docker, AWS, Microsoft Azure, Git