

Maitland, Burnaby
BC V5H 1N6, Canada

DUC NGUYEN

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EMPLOYMENT

| | | |
|---|-------------------------------|------------------------------|
| Senior Software Engineer | Amazon | Jun 2022 – Present |
| Technology: Java, Typescript, AWS, GenAI Product: Employee compensation database | | |
| <ul style="list-style-type: none">Designed, implemented, maintained and delivered system of compensation records for 20 million Amazon employees worldwideIntegrated latest GenAI tools into existing engineering workflowsActed as scrum master, hosted daily stand-ups, owned demos to stakeholders/leadership, and organized team events—kept alignment high and helped folks grow technically | | |
| Technology: Java, Typescript, AWS Product: Employee compensation calculation engine | | |
| <ul style="list-style-type: none">Developed full stack features for Amazon internal compensation calculator, used by more than 1 million Amazon warehouse employees worldwideDesigned, implemented, maintained and delivered software features to global customers (US, Canada, Germany, UK) | | |
| Software Engineering Lead | Dyne Technologies Inc. | May 2021 – Jun 2022 |
| Technology: Javascript, MongoDB, Mongoose, Google Cloud, Scikit-learn Led the start-up Tech team to develop backend/machine learning solutions to meet business needs: | | |
| <ul style="list-style-type: none">Developed backend apis for web and mobile applications, supporting approximately 10000 customers in Vancouver, CanadaRedesigned software backend architecture, improving the web app performance by up to 120%Built MLOps system for restaurant data training, increasing sales by 56% | | |
| Full Stack Web Developer | Modo | April 2021 – May 2022 |
| Technology: HTML, CSS, PHP, Javascript, PostgreSQL, Laravel, ANTD Worked in the Development Team to develop the next version of web app: | | |
| <ul style="list-style-type: none">Developed full stack features for car booking web app used by around 3000 customers in Vancouver, CanadaMigrated data from the old RDS database to DynamoDB, increasing performance by up to 10 timesParticipated in building software architecture | | |

EDUCATION

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| Undergraduate | University of British Columbia | Sep 2015 – May 2021 |
| Bachelor of Applied Science | | |
| <ul style="list-style-type: none">Major: Electrical EngineeringAcademic Awards: International Leadership of Tomorrow Scholarship, Dean's List, Top 7 of UBC ECE Best Capstone ProjectsRelated coursework: Algorithms & Data Structures, Building Modern Web App, Machine Learning for EngineersExtracurricular Activities: Web Development Lead at UBC OpenRobotics | | |

TECHNICAL EXPERIENCE

Projects

- 3D Printing Website (2025):** Built a web app that offers 3D printing service in Lower Mainland
- Covid Dashboard (2021):** Built a web app that visualizes Covid-19 data on global map
- UBC OpenRobotics Website (2019 – 2021):** Rebuilt the website in PHP, migrated to new Cloud platform
- Pedestrian Analytics with Deep Learning (2019 – 2020):** Trained Deep Learning models to detect pedestrian and classify demographic information at 70% accuracy

ADDITIONAL EXPERIENCE AND AWARDS

- Third prize of Amazon Hackathon (2023):** Led the team to build a web application that automatically recommend code reviewers for code change requests.