

# Pham Ngoc Hieu

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## EDUCATION

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- **University of Engineering and Technology - Vietnam National University** Sep. 2017 – Jun. 2021
  - *Bachelor of Computer Science; GPA: 3.79/4.00 - High Distinction degree.*
    - **Valedictorian:** Honored award for student with the highest academic achievement in major.
    - Scholarships for Top 10% students with the best academic results for all semesters.
    - Scholarships from Vingroup for 10 students in my university with the best academic results and outstanding achievement.
    - **Relevant courses:** Deep Learning Specialization (Andrew Ng), Coursera Data Science Specialization (Johns Hopkins University), Data Structures and Algorithms, Object-Oriented Programming, Operating System, Computer Networking, Database, Probability and Statistics, Linear Algebra, Calculus.
    - **Relevant books:** C++ In-Depth Series: A Tour of C++, The C++ Programming Language (C++11) (Bjarne Stroustrup); Fluent Python (Luciano Ramalho).

## EXPERIENCE

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- **Google Engineering** Mar. 2022 – Present
  - *Software Engineer (Machine Learning Engineer, full-time)*
    - Brings Intelligent Experience to Android using Machine Learning.
    - Designs high level machine learning solution; Does feature engineering, model training; Writes data pipeline; Deploys Google-scaled machine learning models.
    - Language/Technologies: C++, Python, Tensorflow.
- **McKinsey and Company** Jul. 2021 – Jan. 2022
  - *Junior Digital Analyst (Software Engineer, full-time)*
    - Helped enterprises in Southeast Asia and India unlock new business value with technology.
    - Main responsibilities: Worked closely with client to design and implement digital solutions; Transferred knowledge and solutions to the client's tech team.
    - Area of working: E-commerce, Banking - Digital Transformation.
    - Technologies: Micro-services system, Firebase, Shopify, GraphQL, React, Next.js, Javascript, Elastic Search.
- **SEA Group** Aug. 2020 – Oct. 2020
  - *Software Engineering Intern (Backend, full-time)*
    - Worked with a product team to develop a micro-service internal system that serves the company's business. It is being used in Thailand, Indonesia, and Vietnam.
    - Wrote unit tests for the project and increased test coverage from 51% to 80%.
    - Did optimizations on the Gitlab-CI job, which decrease smoke test running time by over 50 seconds.
    - Built and deployed an Event-Management System on AWS for the Entry task.
    - Languages/Technologies: **Python, Django, Django Rest Framework, Gunicorn, Ansible, MySQL, AWS.**
- **Teko Vietnam** Jul. 2019 – Dec. 2019
  - *Software Engineering Intern (Frontend, part-time)*
    - Trained to design and implement an account management website for both front-end and back-end.
    - Helped the front-end team build a mobile web version of the company's new e-commerce website with a clean and reusable code following the Scrum development process.
    - Languages/Technologies: **Git, ReactJS (TypeScript), Flask, Docker, MySQL.**

## TECHNICAL SKILLS

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- **Languages:** C++, Python, Java, Javascript, SQL, R.
- **Technologies:** Deep Learning, Machine Learning, Tensorflow, MySQL, NoSQL, Django, Flask, ReactJS, NodeJS, AWS, Git, Docker, Kubernetes.
- **Other experiences:** Linux.