

Bui Quang Huy (Harry)



Portfolio website: <https://huybq26.github.io>



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Education

08/2020 – 06/2024

Specialization in Computer Engineering – School of Electrical & Electronic Engineering

Bachelor's Degree, Nanyang Technological University – Singapore

CGPA: 4.74/5.0 (First Class Honours)



Experience

07/2022 – 12/2022

Full Stack Developer Intern

Panasonic Asia Pacific Pte Ltd, Singapore

- Working as **Full stack developer** in an Enterprise Blockchain Web Project
- Tech stack: **Next.js, Golang, Hyperledger Fabric, Node.js, CouchDB**

11/2021 – 01/2022

Software Engineering Intern

Carro Singapore, Singapore

- Worked mainly as **mobile app developer** in Acoustic Analysis team
- Employed full-stack development tools to produce holistically envisioned mobile applications for **both Android and iOS devices**.
- Assisted in developing Artificial Intelligence API to integrate with apps, which detects car problems based on engine's sound analysis.

Tech stack: **JavaScript, React Native, Node.js, AWS S3**

08/2021 – 11/2021

Web Developer (Part-time)

Earth Observatory of Singapore, Singapore

- Designed and developed efficient and maintainable **web applications** according to research objectives and needs of various clients.
- Developed **back-end services**, built user interface, and designed effective database for web applications to ease process of handling **big data**, containing more than **10000** crystals and volcanoes.
- Tech stack: **JavaScript, React Library, Node.js, MongoDB, Flask, OpenCV**

05/2021 – 08/2021

Software Engineer Intern

FPT Software, Hanoi

- Worked in Electronic-Know-Your-Customer (eKYC) project
- Designed and implemented proper user interface & user experience to integrate an existing React **web application** with **new AI features** such as face verification and lip-reading
- Developed an internal React Native **mobile application** to speed up the tasks of uploading & storing user's multimedia data by **70%**



Projects

NFT Marketplace BNS

- Worked as **team leader** in Blockchain club's project on **blockchain web application**
- Built a **Next.js & Express.js** web application for club members to mint 'BNS' tokens upon the active participation of each club activity, integrating with smart contracts. 'BNS' tokens can then be exchanged for other items
- Integrated the website with useful features such as setting up a wallet, signing transactions and participating in a NFT auction
- Source: <https://github.com/huybq2606/NFTMarketPlace>

SMS Scammer Detecting Mobile App (ScamGuard)

- Developed a mobile application that helps users to **detect and report scam bank messages**
- The app was written in **React Native**. **Natural language Processing (NLP) model** was integrated with **Flask** on the backend, with the support of **MongoDB** Database.
- Source: <https://github.com/huybq26/Scammer-Detecting-App>

Privacy-Aware Service Provisioning in 5G - V2X Networks

- Developed a **React** web application for a project researching on **5G - V2X networks**
- Utilized **Node.js, Flask (Python)** and **MongoDB** to develop a backend server to continuously send / retrieve position data from a remote moving vehicle
- Source: <https://github.com/huybq26/PrivEngV2X>



Skills

- **Programming Languages:** JavaScript, Java, Python, Golang, C / C++, HTML, CSS
- **Tools & Frameworks:** NodeJS, ReactJS, React Native, Flutter, Git, MongoDB, PostgreSQL,



Accomplishments

- Achieved **First Placing** in KIBO Robot Programming Challenge 2021 (Singapore)
- Achieved **Third Placing** in NTU Blockchain Research Competition 2022
- Attained **Top 20 (out of 1650)** in Shopee Code League Programming Contest 2021