Bui Quang Huy

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🎓 Education

2020-08 - 2024-06

Specialization in Computer Engineering: Bachelor of Electrical & Electronic Engineering

Nanyang Technological University – Singapore

CGPA: **4.75/5.0**

💼 Experience

2021-11 - 2022-01

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**

2021-05 - 2021-11

Web Developer

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 to ease process of handling **big data**, containing more than **10000** crystals and volcanoes.
- Tech stack: **JavaScript, React Library, Node.js, MongoDB, Flask**

2021-05 - 2021-08

Software Engineer Intern

FPT Software

- 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

BNS NFT Marketplace
- 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

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

Analyzing cultural diffusion based on cuisine & ingredients
- Developed a machine learning program to demonstrate the relationship between culture diffusion and their cuisine
- Compared different models' efficiency (Logistic Regression, Naïve Bayes, Neural Networks).
- Source: https://github.com/huybq26/Cutural-Diffusion-Based-on-Cuisine

⚐ Skills

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

🏆 Accomplishments

- Achieved **Third Placing** in NTU Blockchain Research Competition – (Solana Project)
- Achieved **First Placing** in KIBO Robot Programming Challenge (Singapore)
- Attained **Top 2%** in Shopee Code League Programming Contest (Student Category)

⚐ Leadership / Co-curricular activities

NTU International Chess Club, Financial Controller
- Responsible for record keeping and financial accounting for the club
- Organize weekly chess workshops and tournament events for 134 participants.

NTU Visual Art Society, Event Organizer
- Plan, organize, and execute monthly events for 55 participants.