Nguyen Vu

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EDUCATION

University of Alberta — Edmonton, Alberta
Bachelor of Science in Computing Science, with Specialization — *Sept 2018 - June 2022*

EXPERIENCE

SIC Education — Hanoi, Vietnam
System Analyst Intern — *July 2022 - March 2023*
- Worked on the development of a robust MERN web application project, streamline schedule and payroll management of teachers, staffs, and school partners, improved productivity by 40% and eleminated 90% of manual errors.
- Ensured operation efficiency by resolving technical issues, maintaining and supporting staffs' IT devices.
- Enhanced user experience by refactoring site structures, navigation, page optimization and graphic integrations.

University of Alberta — Edmonton, AB
Teaching Assistant — *Jan 2022 - April 2022*
- Assisted professors in setting up course materials and lab contents
- Graded students' assignments and responded to inquiries.

Software Developer(Part-time) — *April 2021 - December 2021*
- Maintained websites and delivered new front-end features to research groups of Faculty of Science.
- Developed a backend microservice and 10+ internal RESTful APIs using Python Django and PostgreSQL to facilitate seamless CRUD operations for keeping logs and updating details of desktops, printers, and servers.
- Built a Covid check-in system using Google App Script, providing daily reports to lab managers and ensuring compliance with safety protocols.
- Implemented efficient Python scripts to to automate data scraping and cleaning from online archives, resulting in a 50% reduction in data processing for research groups.

PROJECTS

FlickPedia | *MongoDB, ReactJS, NodeJS, ExpressJS* — Link | Github
- Developed a full-stack Internet Movie Database inspired web app, offering users a platform to explore extensive movies, series, TV shows and celebrity information.
- Crafted an engaging and visually captivating user interface using MaterialUI and implemented different techniques like pagination and debouncing to guarantee uninterrupted and intuitive navigation for users.

The EFCL Financial Proficiency Assessment Tool | *Django Rest, ReactJS, PostgreSQL, Docker* — Demo
- Moved paper-based financial assessments to a digital platform for the Edmonton Federation of Community Leagues
- Deployed via Docker and Nginx, powered by Gunicorn to Cybera and used by over 30 community associations, resulting in a 70% enhancement in streamlining the organizing, collecting, and analysis of financial proficiency data of each organization

Squawker Social Distribution | *Django Rest, HTML, CSS, jQuery, Django Template* — Demo | Github
- Built an interconnected social network platform that integrates different social media apps and GitHub APIs, enabling users to interact with their friends across multiple platforms in real-time.
- Optimized server performance by using multithreading in Django to concurrently fetch data from multiple nodes, achieving 30% reduction in response time.

Mobilibrary | *Java, Figma, Firebase, TravisCI* — Demo | Github
- Built an Android mobile app for book lovers providing a convenient way to borrow and lend books online.
- Integrated ISBN barcode scanner for easy adding, requesting and borrowing of books. Utilized Google Maps API for pickup and return meetups.

TECHNICAL SKILLS

Certification: AWS Certified Cloud Practitioner
Languages: Python, JavaScript, HTML5/CSS, TypeScript, SQL, NoSQL, C, Java, Bash, SCSS
Frameworks/Libraries: Django, DRF, React, Node.js, Express, Redux, jQuery, Bootstrap, Tailwind, MaterialUI
Tools: Git, JS toolsets (ES6+, Webpack, Babel), Jest, Postman