Duc Nguyen

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Education

Concordia University — Montreal, QC
Bachelor of Computer Science, Software Systems CO-OP — *Sept. 2017 – Present*

DataCamp
Introduction to R for Finance (Certificate) — *April. 2021*

Linkedin Learning
Git Intermediate Techniques (Certificate) — *Mar. 2021*

McGill University - Desautels Faculty of Management
Personal Finance Essentials (Certificate) — *Jul. 2020*

Employment

DRW Trading – Software Developer Intern — Montreal, QC
Global Data Dynamics Team — *May. 2021 – August 2021*

Ericsson – Software Developer Intern — Montreal, QC
Eclipse-Theia Team (theia-ide.org): Open-source Cloud & Desktop IDE framework — *Sept. 2020 – April. 2021*

- Authored and developed @theia/external-terminal (1000+ weekly downloads) – a Theia package that contributes the ability to interact with native terminals, using TypeScript, Node.js, React.js and Electron.
- Reduced average test wait time by nearly 90% in theia-ide/theia-apps (a set of 15 Docker images) by integrating the CI-CD workflow to GitHub Actions.
- Authored and maintained Selene IDE – a cross-platform IDE based on Theia for illustration purpose.
- Assisted project maintainers to close/merge pull requests by carefully reviewing and testing code from the open-source community.

Projects

Personal Website: ducnguyen.dev (for additional information and projects)

CleverICE - 1st Place of Intact Challenge in ToHacks 2021 (out of 41 submissions) (DukeNgn/CleverICE)
Efficiently built back-end service, integrated GPT-3 Open-AI, and created customer database on CockroachDB for CleverICE - a web app that helps insurance companies to faster the insurance claim process from customers.
Utilized: Python, Flask, Open-AI, Cockroach SQL, CockroachDB

COVID-19 Detector - HackThe6ix 2020 (DukeNgn/covid19-detector)
Led a team to build a web app that determines the probability of a person contracting with COVID-19 based on Chest CT Scan images. A Machine Learning model was trained on Azure platform with Python and Flask to perform the tasks.
Utilized: Python, Flask, HTML/CSS, JavaScript, Bootstrap, Azure Custom Vision, Azure Deployment

Volunteer & Society

Unmanned Aerial Vehicles (UAV) Concordia: Software Team Member

Society of Automotive Engineers (SAE) Concordia: Aeroconnect Team Member

Concordia Access Centre for Students with Disabilities: Note Taker

Golden Key Honor Society - Concordia Charter: Honor Member

HackThe6ix - 2018: Hackathon Staff Member

Skills

Programming: TypeScript, JavaScript, Java, Python, R, C++

Tools: Git, Docker, Node.js, Electron, React.js, Flask, MySQL, Jekyll

Platforms: GitHub, GitLab, TravisCI, GitHub Actions, Microsoft Azure, Google Cloud, Heroku

Others: Vim/NeoVim, Emacs, LaTeX, Markdown

Languages: French (Intermediate), English, Vietnamese