

Duc Nguyen

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EDUCATION

Concordia University

Bachelor of Computer Science, Software Systems CO-OP

Montreal, QC

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

Global Data Dynamics Team

Montreal, QC

May. 2021 – August 2021

Ericsson – Software Developer Intern

Eclipse-Theia Team (theia-ide.org): Open-source Cloud & Desktop IDE framework

Montreal, QC

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](#))

Effectively 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