

# Duc Nguyen

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## EDUCATION

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### 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

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### DRW Trading – Software Developer Intern

*Event-driven Trading Division in a Proprietary Trading Firm*

Montreal, QC

*May. 2021 – August 2021*

### Ericsson – Software Developer Intern

*Eclipse-Theia Team ([theia-ide.org](https://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

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**Personal Website:** [ducnguyen.dev](https://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

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**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

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**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