Tri Duc Nguyen

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Work Experience

Ericsson | Full-Stack Software Deverloper Intern

Montreal, QC | September 2020 - Present

theia-ide.org

• Work on **Eclipse Theia** – an open-source framework to develop Cloud & Desktop IDE products. *github.com/eclipse-theia/theia*

• Report issues, fix bugs, and implement new IDE features with **Typescripts**, for both **browser and Electron application**.

• Participate in code review for team's members and community contributors.

• Proposed and implemented new features in "Save" module with **Monaco** and **LSP (Language Server Protocol)**.

• Enhanced user experience in "Search-In-Workspace" component with new functionalities.

• Maintained and improved **Docker images** of Theia applications. *github.com/theia-ide/theia-apps*

• Re-created CI-CD pipelines with **GitHub Actions** for a variety of projects under theia-ide. *github.com/theia-ide*

• Created Selene-IDE, a **self-customized IDE**, based on Theia for personal use.

(TypeScript, JavaScript, React, Electron, Docker, TravisCI, GitHub Actions, Scrum)

Projects

COVID-19 Detector   *HackThe6ix, August 2020*

covid19-detector.azurewebsites.net

• Led a team to create a web app that uses **Supervised Machine Learning** to quickly determine the probability of a person contracting with COVID-19 based on Chest CT Scan images.
(Azure Deployment, Azure Custom Vision AI, Python, Flask, Jinja, HTML, CSS, JavaScript, Bootstrap)

Dog Breed Classifier   *June 2020 – July 2020*

doggo-breed-classifier.herokuapp.com/index

• Created a website that identifies and gives detailed information about dog breed based on images
• Utilized Image Recognition Tool from **Google Vision API** to process image and label the subject
(Python, Flask, Jinja, HTML, CSS, JavaScript, Bootstrap, Google Vision API, Heroku)

Education

Bachelor of Computer Science Software Systems Co-op

Concordia University, Montreal, QC
2017 - Present

Volunteer & Society

Unmanned Aerial Vehicles (UAV) Concordia
Software Team Member
August 2020 - Present

Concordia Access Centre for Students with Disabilities
Note Taker
August 2019 - December 2019

HackThe6ix | Staff Member
July 2019

Golden Key Honour Society
August 2018 - Present

Skills

Technical Skills: TypeScript, Java, Python, C/C++, PHP, HTML, CSS, JavaScript, Rust

Tools: Git, Docker, NodeJS, Electron, React, Flask, Jupyter Notebooks, Jinja, MySQL, Jekyll

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

Others: Vim/Neo Vim, Emacs, LaTeX, Markdown, SSH, Bootstrap

Others

Languages: English, Vietnamese, French (Conversational proficiency)

Interests: Travelling, Reading books, Badminton