Duc Nguyen

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Work Experience

Ericsson | Full-Stack Software Developer Intern

Montreal, QC | September 2020 - Present

theia-ide.org

• Work in **Theia team**, contribute to Eclipse Theia – an open-source framework to develop Cloud & Desktop IDE products.

• Authored and created Selene-IDE, a **Cloud & Desktop IDE** based on Theia for personal and illustration purposes.

• Refine IDE features for both **Browser and Electron application** using **TypeScript**, **Node.js** to enhance user experience and overall performance.

• Upgrade and maintain Theia-apps - a set of **15 Theia Docker images**.

• Redesign CI-CD pipelines with **GitHub Actions** for a variety of projects under Theia-ide and Eclipse-Theia.

• Modify and improve Search module by adding new commands, settings, and features.

• Collaborate closely with the team in **Daily SCRUM meetings**, participate in **code review** for both team members and community contributors.

(TypeScript, JavaScript, Inversify, Node.js, 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