Jonny Ngo Luong

MASTER OF SCIENCE IN INFORMATICS CANDIDATE

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Summary

I am a software developer specializing in building unique user-centered solutions focusing on good user experience. Currently, I am pursuing my Master's Degree in Informatics - Software Engineering at NTNU.

I enjoy UX/UI design as well as problem solving, which has driven me to continuously challenge myself by learning new technologies and best practices to become a better developer. Aside from development, I am also part of the norwegian Capture-the-flag (CTF) team Bootplug and Corax. Playing CTFs and solving challenges while learning new things in the field of cybersecurity is something I also enjoy.

Skills

Languages	JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SCSS, PHP, Java, Bash, C#
Frameworks	JQuery, Nodejs, React, Next.js, Svelte, Django, Maven, JavaFX, .NET Core
Technologies	Figma, Git, Vite, Heroku, Vercel, Linux, Windows, WSL2, MongoDB, MySQL, PostgreSQL, sqlite3, Supabase, Firebase
Cybersecurity	information gathering, network reconnaissance, web hacking, reverse engineering, brute-forcing, fuzzing
Others	• Good understanding of OOP methodologies, and design architecture and patterns • Experience in user-centered design and development • Experience in setting up CI/CD pipelines, dockerizing systems and general DevOps practices

Relevant Experience

Summer Internship - ITverket AS
Oslo, Norway

IT CONSULTANT, PROJECT: SPLUNK — *Jun. 2022 - Aug. 2022*

- Developed multiple dashboards visualizing the system statuses for various IT systems through data parsing of millions of log events.
- Designed and consulted out the overall look and feel of the dashboards in Figma based on a low-fidelity mockup given by the stakeholders.
- Worked in an agile team of five, including a Scrum Master, using the Scrum methodology.
- *Technologies:* Splunk, Azure DevOps, Python, Git, HTML5, CSS3, JQuery, Javascript, C#, .NET Core

Volunteer work - Itemize
Trondheim, Norway

IT OPERATIONS MANAGER — *Feb. 2022 - Mar. 2023*

- Develops, designs and maintains several web-related projects used by the members of Itemize at NTNU.
- Currently maintaining the IT-infrastructure of Itemize hosted on NTNU's SkyHiGh platform.
- *Technologies:* Svelte, Sapper, Docker, Kubernetes, Portainer, Nginx, MongoDB, OpenStack

Volunteer work - Vietnamese Student Association in Trondheim (VSAiT)
Trondheim, Norway

IT MANAGER — *Aug. 2020 - PRESENT*

- Developed, designed and consulted out a membership management system for VSAiT that manages events and registrations.
- Develops and designs several web-related solutions used in the events of VSAiT.
- *Technologies:* Django, Python, HTML5, CSS3, JQuery, Javascript, PostgreSQL, Vite, Preact

Volunteer work - NTNUI Taekwondo
Trondheim, Norway

WEB DEVELOPER — *May. 2020 - PRESENT*

- Re-designed the website for the NTNUI taekwondo club, improving the overall look for a better user usability and experience.
- Maintains the website as of currently, adding new features and fixes when needed
- *Technologies:* PHP, HTML5, CSS3, Javascript

Bobajoy
Trondheim, Norway

WEB DEVELOPER — *Dec. 2021 - PRESENT*

- Designed and developed the website for a bubble tea shop, focusing on good SEO, user usability and experience.
- Maintains the website as of currently, adding new features and fixes when needed.
- *Technologies:* Next.js, Typescript, HTML5, SCSS

Saigonexpress *Oslo, Norway*

Web Developer *Jun. 2018 - PRESENT*

- Re-designed the website for a restaurant located in Oslo, improving the overall look for a better user usability and experience.
- Maintains the website as of currently, adding new features and fixes when needed.
- *Technologies:* Next.js, Typescript, HTML5, SCSS

Norges teknisk-naturvitenskapelige universitet (NTNU) *Trondheim, Norway*

Student Teaching Assistant

- IIK3100 - Ethical Hacking and Penetration Testing - *(Aug 2022 - Nov 2022)*
- TDT4100 Object-Oriented Programming - *(Jan 2022 - May 2022)*
- TDT4109 Information Technology, Introduction - *(Aug 2021 - Nov 2021)*
- TDT4110 Information Technology, Introduction - *(Aug 2020 - Nov 2020)*

Relevant Projects

Star Battle NTNU *Trondheim, Norway*

TDT4240 Software Architecture group project *Jan. 2022 - May 2022*

- Developed and designed a multiplayer game for Android in a team of four students, using the methods and techniques touched on in this course. This includes designing and documenting software architectures.
- Architectural and design patterns such as MVC, ECS, Client-server, Singleton, State and Factory were the focus of this project
- *Keywords:* LibGDX, Kotlin, Firebase, Scrum

DansUtd *Trondheim, Norway*

IT2901 Informatics Project II - Bachelor project *Jan. 2021 - May 2021*

- Developed and designed a web module for the new NTNUI Dans website allowing the customer to manage courses and registrations.
- Worked in an agile team of seven students, using the Scrum methodology.
- Design UX/UI and implementation of additional functionalities in the front-end based on the requirements of stakeholders.
- *Keywords:* React, Typescript, Javascript, Firebase, Express, Cypress, Scrum

Venti

IT2810 Web Development group project *Aug. 2020 - Okt. 2020*

- A makeup store SPA for web and mobile, implemented in React and React Native using TypeScript. Cypress mock and E2E testing.
- *Keywords:* React, TypeScript, MongoDB, Node, Express Sessions, React Native, Cypress

Training booking system

IT1901 Informatics, Project I group project *Aug. 2020 - Nov. 2020*

- A JavaFX CRUD app, developed in an agile team of four students, for booking training sessions at training centers built with Maven.
- Mock testing, end-to-end testing, UI and Integrationtests were tested using JUnit5
- *Keywords:* Java, JavaFX, Maven, JUnit, Scrum, REST

Education

Norges teknisk-naturvitenskapelige universitet (NTNU) *Trondheim, Norway*

Master of Science, Informatics - Software Engineering (Expected graduation June 2023) *2021 - PRESENT*

- Second year student with specialization in software development, focusing on agile development, clean architecture and UX/UI design.

Norges teknisk-naturvitenskapelige universitet (NTNU) *Trondheim, Norway*

Bachelor's degree, Informatics *2019 - 2021*

- Completed the bachelor's (degree) program in two years, took courses with focus on agile development, network and cybersecurity.
- Bachelor GPA: 3.8