TOMAS HAI HUNG NGUYEN

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EDUCATION

Charles University – Faculty of Mathematics and Physics, Prague　　　　2020 - 2024
4th year, **Computer Science** – Web Development and Databases, Bachelor's

Gymnázium Ostrov, Ostrov nad Ohří　　　　2012 - 2020
8-year program
Concluded with a maturita exam, graduated with honours

EXPERIENCE

Full-stack Developer - Yolk Studio　　　　Jan 2024 - Present (8 mos)
On-site, Full-time
- Developed and maintained web applications using TypeScript and NestJS
- Collaborated with cross-functional teams to design and implement new features
- Conducted comprehensive testing to identify, diagnose, and resolve bugs
- Worked with modern technologies such as Docker and CI/CD pipelines

PROJECTS

Web Crawler with UI - React, Django, PostgreSQL, MaterialUI
A web application that crawls websites and presents the data in a user-friendly interface. Key features include customizable crawl parameters, data visualization, and export functionality.

Web-based POS System - React, Django, PostgreSQL, AntUI - *Bachelor thesis*
A comprehensive point-of-sale system designed for modern businesses. Key features include inventory management, sales analytics, and multi-user support. View Project

URL Search Engine - Python
A custom search engine implementation for indexing and searching URLs. Key features include fast indexing, relevance ranking, and keyword highlighting. View on GitHub

Java-todolist - Java
A project for nprg013 at MFFUK, where I implemented a todo list application. View on GitHub

eafc-api - C#
A basic notification bot for EAFC new players. View on GitHub

Higher-order-EASE - Python
Implementation of Higher-order Collaborative Filtering for Improved Recommendation Systems using the forked EasyStudy Framework. View on GitHub

Android-todo-list - Kotlin
A simple Android todo list application. View on GitLab

SKILLS

Frontend:	React, JavaScript, TypeScript, MaterialUI, AntUI
Backend:	Django, Node.js, PHP, NestJS, C#, **Python**
Languages:	Python, C#, Java, Kotlin, C++, JavaScript, SQL
Database:	SQL, PostgreSQL, MariaDB, MongoDB, Firebase, SQLite, Redis
Others:	LaTeX, Docker, Git, CI/CD, REST APIs, GraphQL