

Thien Nguyen

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Education

- **University of Waterloo** **Waterloo, ON**
2017-2022
B.C.S. Computer Science - Business Minor
 - Courses: Object-Oriented Programming, Artificial Intelligence, Machine Learning, Neural Networks
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Skills

- **Languages:** Python, C#, Java, JavaScript/TypeScript, SQL, Bash, C++
 - **Frameworks & Libraries:** React, Linux, PyTorch, fastai, TensorFlow, Node.js, .NET
 - **Other:** Git, GitHub, Docker, JupyterLab, REST APIs, Agile Methodologies, Jira
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Experience

Oracle Corp. NetSuite **Kitchener, ON**
Full-Stack Software Developer Intern *September – December 2021*

- Implemented product features using JS, SQL and Java to schedule events and fire off notifications based on important dates from a relational database
- Implemented alerts and validation using JS which included UI work for banners and emails that notified user of errors
- Developed UTs with JUnit and PITest mutation testing for continuous integration

Ceridian HCM Inc. **Toronto, ON**
Full-Stack Software Developer Intern *January – April 2021*

- Implemented product features using TS and C# to handle user data
- Developed data processing features according to client given requirements that display varying metrics calculated using aforementioned processing about user behaviour back to user and managing accounts

Full-Stack Software Developer Intern *September 2019 – April 2020*

- Redeveloped existing solutions for handling information written in Silverlight to JavaScript/TypeScript/React
- Developed large regression scripts to fix compatibility issues with newly updated solutions in SQL affecting 20+ product features
- Developed and QA'd numerous pages used to handle client information under strict security and design requirements (GDPR)

API Software Developer Intern *January – April 2019*

- Developed server-side REST API/Framework
 - Developed suite of UTs to audit API level security using the .NET framework
 - Experience in all phases using Agile methodology
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Projects

Wildlife Categorizer

- Fully deployed categorizer for pictures of wildlife using computer vision which can be interacted with here
- Used fastai to fine tune a pretrained model(ResNet-18) with data from a kaggle dataset

Kaggle Titanic

- Placed 2k/16.4k by using bagging on a random forest classifier on a modified dataset
- Data was cleaned to remove all invalid and related categories combined while irrelevant ones were dropped. Work can be viewed here