

NATHAN SKIBICKI

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Education

Western University

Sep. 2021 – May 2025

Bachelor of Science in Computer Science, Computer Science Specialization

Toronto, Ontario

Experience

Unify

May 2022 – August 2022

Software Engineer Intern

Toronto, Ontario

- Reduced login time by 20ms after refactoring an existing OAuth system by implementing Google Firebase authentication into a React js application.
- Developed a full-stack student dormitory rating platform that allows students to read and write reviews about student dorms currently has 40+ reviews and is visited by dozens of students every month.
- Leveraged Node.js, Express.js, and MongoDB to develop a REST API and integrated it into a React.js front-end, which was containerized with Docker to help with scalability and deployment.

Projects

NFL Salary Predictor | *Python, Pandas, NumPy, Scikit-learn, Seaborn*

January 2023

- Built a multi-layer linear regression model that predicts an NFL player's salary based on performance.
- Developed and implemented a polynomial regression model to address significant discrepancies in salary ranges.
- Collected, concatenated, and found correlations between data frames to create usable data for the prediction model using Pandas and NumPy, and developed model prototypes using Scikit-learn and Seaborn.

Rezlyfe | *Java, Android Studio*

November 2020

- Collaborated and created a student dormitory rating platform
- Currently has 40+ reviews and is visited by several students every month

Wordle Game | *Java*

October 2022

- Developed Java-based game that prompts users to guess a randomly generated word and provides feedback on the accuracy of their guess.
- Wrote adaptable code that permits the use of UTF-16 characters to create words of varying lengths randomly.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, R, Swift

Developer Tools: VS Code, Eclipse, Amazon Web Services, XCode, Google Cloud Platform, Android Studio, Adobe Experience Manager

Frameworks and Libraries: React, React Native, Linux, Unix, NumPy, Matplotlib, Pandas, spaCy, Scikit-learn, GitHub, Bitbucket, Confluence, JUnit, WordPress, Tensorflow

Interests

Machine Learning

Web Development

Adobe Experience Manager

Leadership / Extracurricular

Western AI

August 2022 – March 2023

Project Manager

Western University

- Built and managed a team of 3 developers in the development of an NFL Salary Predictor

Aquatics Program Assistant

Sept 2019 – March 2021

Aquatics Program Assistant

- Assisted and evaluated students on their swimming ability