

Vladimir Nikulin

Software Engineer

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ABOUT ME

- I am a versatile Computer Science student with a minor in Business Administration and a strong foundation in software development, IT support, and data analytics. I thrive in both collaborative and independent settings, bringing a solution-oriented mindset, attention to detail, and strong communication skills to every project. My adaptability and hands-on experience with modern technologies allow me to contribute meaningfully across technical and cross-functional teams.

SKILLS

- **Languages & Technologies:** C#, Java, JavaScript, SQL, Bash, Python, HTML, CSS
- **Frameworks & Architecture:** .NET Framework, .NET Core, Cloud-Native Principles, CI/CD Pipelines
- **Tools & Platforms:** Visual Studio, VS Code, Git, GitHub, Power BI, Jira, Microsoft Teams
- **Databases:** Microsoft SQL Server, MySQL, Oracle (basic knowledge)
- **Testing & QA:** Manual Testing, Test Case Design, Cross-Browser Testing, Agile/Scrum
- **System Support:** Windows OS, Microsoft Office Suite, Troubleshooting, Help Desk Ticketing Systems
- **Soft Skills:** Project Management, Technical Documentation, Communication, Team Collaboration

WORK EXPERIENCE

- **Information Technology Help Desk Support Intern**

Assisted users with technical issues, ensuring resolution in a timely manner and collaborating with IT on complex issues. Gained hands-on experience troubleshooting hardware, software, and network problems in a customer-facing role.

RECENT PROJECTS

- **Database implementation of B+-Tree in Python**

Developed custom SQL queries for optimized data management and analysis, working with SQL Server to streamline database operations and improve performance.

Github: [Time Series Database](#)

- **Healthcare IT Process Improvement Consultant (Student Project)**

Conducted research and collaborated with stakeholders to propose an online psychological support service for nurses. Analyzed existing healthcare IT infrastructure, identified process inefficiencies, and recommended a scalable digital solution to improve mental health accessibility. Developed a structured problem-solving approach, incorporating data analysis and business case evaluation to support implementation feasibility.

- **Pattern Recognition System**

Implemented and trained a MASK-RCNN model using COCO dataset and TensorFlow AI platform to recognize automotive vehicles.

Github:[Mask_RCNN](#)

- **Integrated Computer Science Department website**

Developed a full-stack web application using HTML, CSS, JavaScript, and connected it with a SQL database to allow for efficient schedule management by students and faculty.

Github:[Department of Computer Science website](#)

- **C# Dice Roller App (Cross-Platform: Android & Windows)**

Developed a cross-platform dice roller application using C#, designed for seamless functionality on both Windows and Android. The app generates random outcomes for a single six-sided die (d6) with a simple, user-friendly interface.

Github:[Dice Roller App](#)

- **Snake Game (C, ncurses)**

Developed a terminal-based Snake game using C and the ncurses library, providing a smooth, interactive gameplay experience within the command line.

Github:[Snake Game](#)

EDUCATION & CERTIFICATIONS

- **BScCS UNB Saint John, NB (Canada)**

Major: Software Engineering, Minor: Business
2021 - 2025

- **Ontario Tech University Oshawa, ON (Canada)**

Software Engineering
2020 - 2021

- Get started with Azure DevOps

- C# Programming and Unity

Learn to work with C# to build cross-platform applications and get hands-on experience with .NET Framework.

- Python Algorithms and Data Structures

- Google Go Functions, Methods, and Data Structure

- Gender-based Analysis Plus

- Mindfulness and Ethics at Work