

BAZHAN NAHNYBIDA

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SUMMARY

Full-stack developer specializing in Angular, Typescript, and Node.js. I enjoy tackling large, complex projects that demand rigorous planning and engineering depth. My goal is to develop autonomous systems, especially drones.

WORK EXPERIENCE

Internship - iMatr

Jun 2025 - Aug 2025

Burlington, ON

- Designed and implemented new features across the full stack.
- Built GIS spatial queries to display ridings, representatives, and constituents on interactive maps.
- PHP, GIS, SQL

Freelance Web Developer

2024

London, ON

- Built teaonthelake.com and varenykyonthelake.com using Angular, Express, MongoDB hosted on AWS EC2
- Built chatforcharity.ca with Angular SSR, MongoDB, and PayPal payment integration.

VEX V5 Robot Builder & Programmer C++

2024-2026

St. Thomas, ON. St. Joseph's Catholic High School

- Competed internationally; ranked 8th in Canada (2025), and 5th in Canada (2026)
- Sole programmer and main builder of the competition robot.
- Implemented advanced motion algorithms and state estimation:
 - RAMSETE controller and Linear Time-Varying Unicycle Controller for trajectory tracking.
 - PID controllers for precise velocity tracking/simple motions.
 - Monte Carlo Localization for position estimation, Kalman Filter for velocity tracking and sensor fusion.
- Designed new features of the robot on SolidWorks.

Personal Project - SaaS Platform

2020-2022

Ukraine, Kyiv

- Multi-tenant SaaS with dynamic subdomains, real-time UI via Socket.io, Stripe payments, and complex data structures.
- Comprises multiple Angular frontends and a sophisticated Express backend.

EDUCATION

University of Waterloo - Computer Science

Incoming, Fall 2026

St. Joseph's Catholic High School

September 2022 - June 2026

St. Thomas, ON

- Academic honours student: 96% average in Grade 11, 97% average in Grade 12.
- Member of the robotics team and the swimming team.

SKILLS

Programming Languages	Javascript, Typescript, Python, C++, PHP
Tools/Frameworks	Angular, React, Expo, Svelte
Databases	MongoDB
Other Skills	CAD (Solidworks), Arduino, 3D printing, Git
Languages	Fluent in English, Native Ukrainian