

Ivan Vashchenko

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Growing up in Ukraine taught me firsthand the power of resilience and purposeful work, especially during challenging times. After fleeing the war and while living in a refugee camp in Germany, I applied to 184 educational institutions around the globe—driven by determination to build a meaningful future despite adversity. That commitment carried through my college career: balancing semesters of 20+ credits to stay on track with dual majors in Mechanical Engineering and Computer Science, while simultaneously working 50+ hours a week at my internship this summer. I'm not afraid of going the extra mile—in fact, it's become second nature.

At WTI Services, I've spent over a year developing high-impact engineering automation solutions, starting immediately after my freshman year. During my first summer internship, I conducted detailed site assessments, created engineering drawings, designed ductwork, selected fans, and built powerful estimation tools for the engineering and estimating departments. Thanks to the success of these contributions, I was offered a fully remote role during the academic year, independently developing software tools that substantially reduced project cycle times and boosted efficiency across both estimating and sales teams. Returning on-site in summer 2025, I led the development of a comprehensive 3D modeling platform for the engineering design team, integrating advanced 3D photogrammetry workflows, interactive visualization with Three.js, and parametric design systems.

At this stage of my career, I'm most excited by opportunities where I can bridge mechanical systems and intelligent software — turning complex physical workflows into efficient, data-driven, and scalable tools. My experience developing full-stack automation systems, 3D modeling platforms, and integrated visualization solutions has taught me how to take ideas from concept to implementation. I bring both technical versatility and leadership experience to the table — combining deep engineering knowledge with the ability to manage, coordinate, and deliver cross-disciplinary projects end-to-end. I'm confident that my combination of hands-on engineering, software development, and systems thinking can make an immediate impact on your team's goals.

I am eligible for H-1B sponsorship under the standard (pre-2025) regulations and exempt from the new \$100,000 visa application fee, as I previously maintained F-1 student status.

Sincerely,
Ivan Vashchenko