Shaoming Wu

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Professional Summary

Aspiring fullstack developer with experience in end-to-end web solutions using MERN stack, Django, and mobile development with proven software development life cycle and continuous integration expertise.

Education

Milliken Mills High School — September 2022 – June 2026
IB Programme — *Markham, ON*

Experience

Co-Founder and Technical Lead — May 2024 – Present
Altura Robotics (VEX Robotics Team 1165A) — *Markham, ON*
- Led development team of 12 members creating technical documentation and coding standards for 100% code review compliance
- Developed C++ embedded software **improving autonomous accuracy by 40%** and reducing debugging time by 50%

Outreach Officer — September 2021 – May 2024
Hack Canada — *Waterloo, ON*
- Secured sponsorships from technology companies to support operations for a 400-person hackathon event
- Coordinated sponsor communications and meeting schedules to align partnership objectives with event logistics needs
- Collaborated with organizing team to manage sponsor deliverables and ensure timely fulfillment of event commitments

Projects

helpidontknowhowtonetworkin.tech | *MERN Stack, TensorFlow* — May 2025
- Developed fullstack face recognition app with 95% accuracy using TypeScript, Node.js, Express.js, and MongoDB
- Implemented continuous integration pipeline with 100% automated test coverage and comprehensive API documentation
- Recipient of the **Best Use of Generative AI at JAMHacks 9**

SupplyMe | *Django REST API, Flutter, MongoDB* — May 2025
- Built Django REST API with Express.js integration achieving 90% search accuracy using MongoDB Atlas and Gemini AI
- Developed mobile development solution using Flutter with documented architecture and continuous integration reducing deployment time by 60%

Community Involvement

STEM Outreach Coordinator and Master of Ceremonies — June 2024 – May 2025
Caution Tape Independent Program — *Markham, ON*
- Developed educational curriculum introducing **over 1000 students** to Scratch programming with 95% completion rate, increasing program enrollment by 40% over previous year
- Hosted a **40-team tournament featuring 100+ students** to promote engagement in Vex IQ robotics. Coordinated **20+ volunteers** to ensure seamless operations, achieving consistent schedules throughout the event.

Technical Skills

Languages: JavaScript, React, Python, C/C++, HTML/CSS, TypeScript
Frameworks & Libraries: Express.js, Node.js, Django, Flutter, TensorFlow
Databases: MongoDB, MongoDB Atlas
Development Tools: Git, VS Code, Continuous Integration, Software Development Life Cycle
Specializations: Fullstack Development, Mobile Development, End-to-End Web Solutions
CAD Software: Onshape, Inventor, Fusion 360