

JOJO ZHOU

BASc in Engineering Science | University of Toronto | GPA: 3.84/4.00
Robotics Major & Artificial Intelligence Minor | Graduated 2020 with Honor

+1 647-676-4322
Joanna.zyz@outlook.com
5214-197 Yonge St.
M5B0C1, Toronto ON
Github

WORK EXPERIENCE

Software Engineer II & Intern Manager

Microsoft

Sep '22 - Present

- Spearheaded full-stack development of 2 different **AI features** and the migration from UWP to WinAppSDK with collaboration inside and across teams, while **independently** shipping features such as a video editor and an experimentation system.
- Managed an intern**, empowering her to successfully complete 2 projects and prototype an additional feature within 3 months.
- Co-led the unification of viewer and gallery components, revolutionizing user interaction and optimizing architectural efficiency.
- Offered strategic support to another team by developing an A/B test app, driving data-based decision making.

Software Engineer I

Microsoft

Jun '20 - Aug '22

- Built **performance and proactive thread safety pipelines** that have helped recover >2000ms in launching and 100+ crashes.
- Led the down-level of Photos App from Windows 11 to Windows 10 and managed our QA team collaboration.

Software Development Intern

Microsoft

May '19 - Aug '19

- Shipped a tutorial carousel in the MS Stream mobile app for first-time and newly updated users which is retrievable from settings.
- Built an OCR-based object detection API which searches through a pool of indoor pictures for desired products or aisles and returns ones that contain them along with their coordinates, helping with another intern's project of Roomba locating objects in a store.

Program Management and Software Development Intern

Microsoft

May '18 - Aug '18

- Designed, prototyped, and revised 5 features to improve the quality of Microsoft Photos, based on the 3 pain points that we identified from 27 real users, and ended up delivering a tooltip that increased the action rate by 67%.

Research Assistant

National University of Singapore

May '17 - Aug '17

- Investigated Materials Genome under supervision of Dr. Shen Lei.
- Automated the pre-simulation calculation and file-handling for 1000+ combinations of 6 gases attached to 56 2-D materials using Python and Bash.

“

Passionate software engineer committed to crafting impactful user-centered products. With a drive for innovation and collaboration, I excel in problem-solving and have delivered diverse projects, from generative AI and media editing features to performance optimization and experimentation systems. Excited to join a dynamic team and continue delivering exceptional solutions!

TECHNICAL SKILLS

Python C++ & C#/WinRT XAML
React Native PowerShell Typescript
Azure Pipelines MatLab ROS

OTHER EXPERIENCES

Freelance Artist

jojoz.artstation.com

Jan '15 - Present

- Created branding for several teams and organizations such as the Autodrive team AUToronto, IEEE, and Project Include.
- Actively engaged in art commissions to refine my creativity, uphold my aesthetic standards, and stay empathetic.

Autonomous Packing Robot Project

University of Toronto

Jan '18 - Aug '18

- Built a robot from scratch that packs 4 types of fasteners into a container according to customers' requirements.
- Coordinated a team of 3 and managed the integration of 3 subsystems, with myself implementing the circuitry.

Chair, Director of Events

IEEE University of Toronto

Nov '16 - Mar '19

- Organized 10+ hackathons and workshops, benefiting 300+ students in 2017-18, 50% more than the previous year.
- Established connection with Major League Hacking and hosted the 1st MLH Makeathon in Canada.