

SILVIA LÓPEZ

Pipeline Technical Director

Github: [silvialpz](#) | Email: hello@silvialopez.me | Portfolio: [silvialopez.me](#)

ABOUT

Recent UofT Computer Engineering graduate with a strong foundation in computer graphics and imaging technologies (coursework & internship). A self-taught artist passionate about animation, I leverage creative problem-solving and excel in collaborative team environments. I want to provide support in the domain of animation and VFX.

EDUCATION

SEP 2019 - JUN 2025

Computer Engineering, Minor in Artificial Intelligence — University of Toronto

- o Awarded: Lester B. Pearson International Scholarship [LINK](#)

TECHNICAL EXPERIENCE

JUN 2022 - JUL 2023

DevOps Engineering Intern – Uhnder Inc. CA

- Engineered the migration of CI/CD pipeline from a Mercurial/Jenkins environment to a **Git**/Bitbucket system.
 - Utilized **Docker** for running container images within the new workflow.
- Successfully architected a custom 3D visualization solution to represent simulation data using **Python** within the Robot Operating System (ROS) framework and RViz visualizer.
 - Demonstrated rapid learning and adaptability by quickly acquiring proficiency in the ROS framework.

AUG 2023 - APR 2024

Research Assistant - Interactive Sketch Clustering [GITHUB LINK](#)

- Delivered a **C++** plugin designed to enhance an existing stroke clustering algorithm, enabling it to process and cluster individual sketch inputs incrementally, rather than requiring an entire drawing upfront.
- This research has direct applications in creating more artist-friendly 2D drawing tools, streamlining the creative workflow for digital artists.

VOLUNTEERING EXPERIENCE

FEB 2025 - PRESENT

Head of Logistics – HER CODE CAMP [LINK](#)

- Organizing a programming workshop for high school students from underserved communities in the Greater Toronto Area, including fundraising, securing sponsors, and gathering donations for food and swag.

AUG 2023, MAY - JUL 2024, AUG 2025

Team Leader (2024), Student Volunteer (2023 & 2025) – SIGGRAPH North America [LINK](#)

CUSTOMER SERVICE EXPERIENCE

JUN 2025 - AUG 2025

Customer Support Administrator – Toronto First Aid Certification

- Managed class scheduling and registration processes, ensuring accurate data intake and organized record-keeping for participants. Provided comprehensive customer support via phone and email, resolving inquiries, facilitating sign-ups, and guiding clients on class information and on-location logistics.

FEB 2025 - PRESENT

Airbnb Host – Casa Giselle, Honduras [LINK](#)

- Remotely managed all property operations, including bookings, guest communication, and coordinating local solutions for maintenance and guest needs.

TECHNICAL SKILLS

Core Pipeline Development

Python, C/C++, PyQt, Qt Framework

Pipeline Infrastructure & Deployment

CI/CD (Jenkins, Bitbucket), Docker, AWS, Git, Testing (Pytest)

Digital Content Creation (DCC) Platforms:

Blender, Adobe Creative Suite (Adobe Photoshop)

LANGUAGES

English (fluent), Spanish (fluent), French (novice)