SILVIA LÓPEZ
Computer Engineer

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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
- **Awarded:** Lester B. Pearson International Scholarship ⚲ LINK

TECHNICAL SKILLS

Core Pipeline Development
Linux, Python, C/C++, PyQt, Qt Framework

Pipeline Infrastructure & Deployment
CI/CD (Jenkins, Bitbucket), Docker, AWS, Git, Testing (Pytest)

Digital Content Creation (DCC) Platforms:
Houdini, Unreal, Adobe Creative Suite

TECHNICAL EXPERIENCE

JUN 2022 - JUL 2023
DevOps Engineering Intern – Uhnder Inc. CA
- Developed a Python-based design tool for radar antennas that automated product documentation and figure generation
- Supported migration of the CI/CD pipeline from Mercurial/Jenkins to Git/Bitbucket
- Used Docker to containerize and streamline build workflows
- Built a 3D visualization tool for radar simulation data using Python, ROS, and Rviz

JUN 2023 - JUN 2024
UofT CodeBuddy VS Code Extension – Capstone Project ⚲ LINK
- Developed the front-end interface with HTML, CSS, and JavaScript
- Designed and tested prompt templates for the OpenAI API to guide users through C programming tasks
- Implemented a testing framework to assess the tool's performance across coding scenarios
- Deployed tool on VS Code Marketplace

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.

CERTIFICATES

JUN 2025
This is Animation — Yellowbrick & Sony Pictures ⚲ LINK

JULY 2025
Cloud Computing Essentials — AWS