Steven Wong

US Citizen

slnwong@uwaterloo.ca
stevenlnwong
stevenw47

Technical Skills

- Python (Django, NumPy), JavaScript/TypeScript (React, Node.js), Go, C++, Git, Docker.

Education

- **University of Waterloo** — Waterloo, Canada
  Bachelor of Mathematics — 2017 - 2022 (Expected)
  - Double major in **Computer Science** and **Combinatorics & Optimization**.
  - 3.91 GPA, Term Dean's Honours List.

Experience

- **Wish** — Toronto, Canada
  Software Engineer Intern — Sep 2021 – Present
  - Working in the Marketplace & Logistics Framework team on the backend using **Python**.
- **Amazon (AWS)** — Vancouver, Canada
  Software Engineer Intern — May 2021 – Aug 2021
  - Created an extensible package in **Python** for preprocessing AWS CloudFormation Modules.
  - Implemented behavior for bundling individual module fragments into a single module template.
  - Improved the user's module development process by integrating with the CloudFormation CLI.
- **SAP** — Waterloo, Canada
  Software Developer Intern — Sep 2020 – Dec 2020
  - Extended the streaming analytics service for JMS and AMQP adapter support.
- **BioRender** — Toronto, Canada
  Software Developer Intern — Jan 2020 – May 2020
  - Eliminated the need for many static icons by implementing an icon brush tool and various customizable shapes for the canvas editor, using **React**, **TypeScript**, and **Fabric.js**.
  - Revamped the color select component with gradient colors and added previewing for easier use.
  - Developed and iterated on a prototype for allowing users to create and edit slides of figures.
- **Secret Mission Software** — Toronto, Canada
  Software Developer Intern — May 2019 – Aug 2019
  - Automated manual workflows between different tools using **Express** and **MongoDB**.
  - Built and integrated features using **React**, **Python**, and **PostgreSQL** for the Findspace client.

Projects

- **MonoDepthNet**
  Neural network for unsupervised single-image depth estimation
  - Implemented a convolutional neural network in **Python** with **PyTorch** to perform depth estimation from a single image by following the paper by Godard et al.
  - Trained the model to achieve good qualitative results on unseen images.
- **uwScheduler**
  To schedule your UWaterloo courses
  - Developed a calendar-like dashboard in **React** and **Go** for students to input courses they are interested in and easily see all course offerings.
  - Facilitated the development and deployment process by containerizing the app with **Docker**.