# Stanley Chen

☐ (647)-677-3796  |  ✉ stanley.chen021@gmail.com  |  ⌂ stanleychen.netlify.app  |  ⊙ stanley021

## Education

**University of Western Ontario**                                                    2019 - 2024
Bachelor of Computer Science (BSc)                                                   London, ON
- Relevant classes: Data Structure + Algorithms, Systems Programming, Discrete Structures
- Western 2019 Engineering Competition - 3rd Place

## Skills

**Languages:** Python | Ruby | HTML | CSS/Tailwind | JavaScript/Typescript | Bash | SQL
**Frameworks:** React | Next.js | Rails | Node.js | Express.js
**Technologies:** Mongo DB | MySQL | PostgreSQL | Github/Gitlab | Docker | GCP | Unix | TensorFlow

## Experience

**Bell Canada**                                                                    May 2022 - Aug 2023
**Software Engineer Intern**
- Developed a web application using **Ruby on Rails**, **HTML**, **Javascript** and **CSS**, for decrypting ADM codes and log files from AES encrypted SIM cards. This application increased operational efficiency by 25%; enabling decryption without prior AES knowledge and enhancing security through comprehensive user tracking
- Spearheaded an automated **Bash** Script solution to resolve IP route discrepancies on production servers and reduced annual maintenance time by 5%
- Conducted monthly updates to Pharmacy/Technoparc VM servers using **Putty** and **Unix**; reducing memory leaks by 15%
- Standardized the development environment using **Docker** for streamlined deployments, resulting in a 40% reduction in setup time and enhanced team collaboration within an **Agile** workspace using **GitLab** for version control
- Directed live traffic direction using F5, increasing server uptime by 10-15 hours biweekly, improving overall system availability by 15%
- Designed unit tests and documentation for device activation on the entitlement gateway, resolving failed device activations post-deployment and improving troubleshooting efficiency by 10%

**Ministry of Government and Consumer Services**                                    May 2021 - Sep 2021
**Software Developer Intern**
- Designed an **API management platform** using **IBM API Connect v10** and **Google Cloud Platform** to enable the company to leverage public and internal APIs for streamlining business processes; enhancing security and functionality for all teams, resulting in an increase in operational efficiency by 30%
- Established a unified catalog by configuring OpenAPI YAML files on the API management platform to create API proxies while using **postman** to integrate them with IBM API Connect v10; enhancing API visibility and usage by 20%
- Implemented a streamlined Markdown to **HTML** conversion process, reducing time spent by 50% on documentation processes, allowing for more focus on core development tasks

**Skyquark**                                                                        Jan 2021 - May 2021
**Quant Engineer Intern**
- Implemented multiple trading algorithms (i.e. golden cross, RSI Swing) in **Python** using Backtrader, working in parallel with Interactive Brokers
- Conducted performance testing and visualization by utilizing Python libraries such as Matplotlib and TA-Lib, resulting in an average of 23% improvement in trading performance

## Projects

**Review App**
- Launched a **MERN** stack web application using **React** and **MongoDB**, providing a platform for users to review various stores based on their experiences
- Architected and deployed scalable **RESTful APIs** with **Node.js** and **Express**, facilitating seamless data transactions and integration with the front-end

**Captcha Lifter**
- Built a training model with Deep Learning Knowledge to solve captchas using **Tensorflow** and SSD Inception v2 (COCO), repeatedly trained different captchas to achieve a solve accuracy of 90%
- Created an API to solve CAPTCHAs; privately launched on **Google Cloud Platform** to ensure reliable performance and integration with various programs