

# Franklin Liang

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github.com/FranklinLiang

## Skills

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**Languages:** Python, PowerShell, Bash, SQL, JavaScript, C

**Tools:** ArcSight Logger, PowerBI, Kibana, Wireshark, SQLite, Git, Kubernetes, React, Flask

## Work Experience

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**Security Developer**, Arctic Wolf Networks — Waterloo, ON Sep 2022 — Dec 2022

- Investigated causes of malware incident spikes using Kibana.
- Developed an application to identify and differentiate ransomware alerts from other types of malware alerts.
- Communicated with support staff to configure customer deployments of detection software.
- Created detection rules for emerging threats and uncategorized alerts.

**Cloud Apps Admin**, Kinaxis — Ottawa, ON May 2021 — Dec 2021

- Added remoting functionality to PowerShell based internal tools project.
- Communicated with business clients to establish deployment specifications.
- Performed routine Windows/Linux server deployments through vCommander.
- Deployed and maintained RapidResponse client-facing services in Kubernetes.
- Created and updated extensive knowledgebase for deployment information and internal tools in Confluence.

**Security Specialist**, Ontario Lottery and Gaming Corporation — Toronto, ON Jan 2020 — Apr 2020

- Configured Cisco Firepower connectors to function with ArcSight ESM.
- Worked in ArcSight Logger to perform investigations on network anomalies.
- Performed penetration testing on IoT devices to find network vulnerabilities using methods such as port scanning and man-in-the-middle attacks.
- Worked with a team to build a dashboard in PowerBI to visualize employee productivity within the security department.

**Infrastructure Developer**, Myro Electronic Control Devices — Mississauga, ON May 2019 — Aug 2019

- Built a private Git server using Gitolite as a replacement for older SVN server.
- Created a system with multiple master servers to increase connection speeds for development teams in other countries.
- Increased security from the previous system by switching authentication methods from passwords to SSH keys.

**Junior IT**, TechInsights — Ottawa, ON Jun 2017 — Aug 2017

- Performed routine server maintenance, including daily data back-ups and data retrieval.
- Performed maintenance on computers, including data destruction and imaging computers.
- Took initiative and created Bash scripts to increase workflow, automated the usage of Symantec Ghost.

## Education

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University of Waterloo — Bachelor of Mathematics with Computing Minor

2024