

# CALVIN LUI

 (647) 898-3918

 [linkedin.com/in/ccnlui](https://www.linkedin.com/in/ccnlui)

 [ccnlui@gmail.com](mailto:ccnlui@gmail.com)

## EXPERIENCE

WORK

### Tradetone Research Labs

*Software Engineer*

**Toronto, Ontario**

*August 2019 – Present*

- Designed and deployed AWS cloud infrastructure such as EC2, VPC, PrivateLink Endpoints, Site-to-Site VPN, CloudWatch, etc.
- Automated build and deployment process on Linux servers using Bash scripts
- Integrated Slack into existing CI/CD pipeline to provide immediate system alerts
- Responsible for configuring and monitoring network equipment such as Cisco ASA, Arista switches, and Exablaze Fusion
- Designed and developed Trading GUI in Qt5 for order management
- Developed internal tools in C++ to analyze market data, e.g. create order book, for exchanges such as BZX, EDGX, NYSE Arca, and Nasdaq

### Ctrl V

*Virtual Reality – Developer*

**Waterloo, Ontario**

*September 2018 – April 2019*

- Integrated V Cards (Gift Cards) into existing POS system that was written in Qt5 and C++
- Refactored legacy code to implement design patterns such as Model-View-Controller (MVC) model and Resource Acquisition Is Initialization (RAII) pattern
- Developed server-side Web API endpoints using React, Express, Node.js, and PostgreSQL

### Unata

*Quality Assurance – Automation Developer*

**Toronto, Ontario**

*January 2018 – April 2018*

- Performed regression & sanity cycles to ensure platform updates for each client satisfied their respective business requirements and offered a seamless user experience
- Designed, developed, and automated test cases using Robot Framework and Selenium WebDriver, significantly reducing the time to complete test cycles

### Cambridge Global Asset Management

*Equity Research – Trading Assistant, Research Associate*

**Toronto, Ontario**

*January 2017 – April 2017*

- Responsible for idea proposal, price negotiation, and record-keeping of option trading in Cambridge
- Developed VBA scripts to analyze trade P/L, portfolio risks, and US Treasury Yield Curve roll-down return in Excel spreadsheets

## EDUCATION

### University of Waterloo

*Bachelor of Computing and Financial Management*

**Waterloo, Ontario**

*2013 – 2019*

- **GPA:** 4.0/4 (Major Average: 86.0)

**Honors:** President's Scholarship of Distinction, International Experience Award, Dean's List for 6 years

## SKILLS, ACTIVITIES & INTERESTS

- **Languages/Framework:** C++, Qt5, Python, Java, HTML/CSS/JavaScript, Golang, Robot Framework, React, Node.js, Express, PostgreSQL, MySQL
- **Tools:** Linux (Bash), Perforce, Git, VS Code Vim, Wireshark
- **Project:** Algo Trading
- **Interests:** Trading, Cryptocurrency, Movies, Anime, Books, League of Legends, Guitar