

# Khoa Xuan Nguyen

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## PROFESSIONAL EXPERIENCE

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**Ideal Roofing** (Ottawa, Ontario, CAN)

*June 2025 - September 2025*

**Operator Assisstant (Seasonal, Full-time)**

- Assisted machine operators with setup, operation, and maintenance of equipment, helping ensure efficient workflows and minimizing downtime
- Followed safety protocols at all times, reducing risk of injury and ensuring compliance with company standards
- Assisted in measuring, cutting, and fitting roofing materials according to customers' order specifications
- Capable of handling and operating a wide range of working tools effectively and safely
- Accomplished over hundreds of orders with high level of perfection

**Uber Eat** (Ottawa, Ontario, CAN)

*July 2025 - Present*

**Delivery Service (Part-time)**

- Delivered food, packages, and alcohol orders accurately and on time, ensuring excellent customer service
- Provided "Shop & Deliver" service: purchasing items on behalf of customers and delivering directly to their location
- Completed 900+ deliveries with 93% satisfaction rating

**BlackBerry QNX** (Kanata, Ontario, CAN)

*May 2022 – Dec 2022*

**Software Developer (Co-op/Internship, Full-time)**

- Focused on Unix, Linux OS, Bash scripting, Python scripting, and C programming
- Tested compatibility of over 300 GNU commands and their flags in BlackBerry's QNX OS
- Performed bug testing on 40+ "verification" JIRA tickets and resolved over 20 JIRA bug tickets from testers and BlackBerry customers
- Developed Python log parser to extract and convert data from over 250,000 test logs on internal report server database into easily readable format

## APPLIED PROJECTS

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**Twitch-inspired Streaming Simulator (Personal Project)**

*January 2025*

- Developed a Twitch-inspired streaming simulator featuring a fully interactive UI with simulated viewers and dynamic chat interactions
- Implemented screen sharing and YouTube embed support, enhancing the realism of the streaming experience
- Designed an extensive chat control system with multiple commands, allowing for customizable viewer behavior and moderation

**Interactive Ubuntu Terminal Simulator (Personal Project)**

*October 2024*

- Developed a fully functional Ubuntu terminal simulator with JavaScript, HTML, and CSS, featuring a dynamic GUI and realistic command-line behavior for an intuitive user experience
- Implemented over 10 commonly used Unix commands, providing natural behavior and functionality consistent with an authentic terminal, enhancing the realism of the simulation

## EDUCATION

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**Carleton University, Ottawa**

*September 2019 – May 2024*

**Bachelor of Computer Science (Honours)**

- Discrete Structure, Web Applications, Computer System Security, and Distributed OS
- Python, Java, C, C++, BASH, Shell, HTML, CSS, JavaScript, MatLab, Lisp, SQL

## SKILLS

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**Languages:** proficient in Vietnamese, English

**Misc:** driving (G licence), trade skills, programming skills