

# John Nguyen

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## EDUCATION

**Carleton University, Ottawa**

*September 2019 – May 2024*

### **Bachelor of Computer Science (Honours)**

- In-depth understanding in Discrete Structure, Web Applications, Computer System Security, and Distributed OS
- Proficient in multiple programming languages (Python, Java, C, C++, JavaScript, HTML), with confidence and experience in database management

## PROFESSIONAL EXPERIENCE

**Phuoc Loi Grocery Ltd** (Ottawa, Ontario, CAN)

*Feb 2025 - Present*

### **Store Associate (full-time)**

- Processing customer transactions efficiently as a cashier, ensuring accurate handling of payments and providing excellent customer service
- Managing inventory by restocking shelves, organizing storage areas, and maintaining product availability for a seamless shopping experience
- Assisting customers with product inquiries, resolved issues, and maintained a clean and organized store environment to enhance customer satisfaction

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

*May 2022 – Dec 2022*

### **Command Line Tools (Co-op/Internship)**

- Focused on **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** as well as resolving over 20 JIRA bug tickets submitted by other testers and BlackBerry's 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

### **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

### **Static HTML Portfolio (Personal Project)**

*September 2024*

- Developed a static HTML portfolio website hosted on GitHub Pages to showcase projects, professional experience, and personal background
- Customized a free HTML/CSS template to implement responsive design and interactive features, enhancing user experience with minimal modifications
- Integrated project details, skills, and contact information into a clean, structured layout for professional visibility

### **Sudoku Game/Solver (Personal Project)**

*August 2024*

- Developed 2 versions of Sudoku game with Graphical User Interface using Python and JavaScript/HTML
- Employed an advanced backtracking algorithm combined with real-life Sudoku penciling techniques to instantly solve any Sudoku board

## SKILLS

**Languages:** Python, Java, C, C++, BASH, Shell, HTML, CSS, JavaScript, MatLab, Lisp, SQL

**Frameworks:** Node.js, Qt

**Tools:** Pytest, TKinter, GDB/PDB, Git, SQLite, RESTful API, Linux, Windows OS, Oracle VM VirtualBox