



# NAOL GUSHU

## Software Developer

✉ naol.wakoya@yahoo.com 📞 +1 613 286 5057 🌐 <https://github.com/naolwakoya>  [naol-gushu](#)  [www.naolgushu.com](http://www.naolgushu.com)

## SKILLS

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Languages     Java, JavaScript, Python, Ruby, SQL, Swift, Haskell, Prolog, C, C++  
Web             NodeJS, React  
Tools           Git, Docker, Microsoft Suite

## EDUCATION

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Bachelor of Computer Science, Co-op option, Expected Graduation Aug 2021  
Carleton University, Ottawa, Ontario

## PROJECTS

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### Mechanic Shop

- Implemented model-view-controller design pattern to build an information management system for Auto Mechanic shop using C++
- Practiced implementation of data structures and objects with C++

### Shopping Site

- Developed a storefront website using NodeJS, Express, and MongoDB where registered users can buy products
- Implemented Integration with PayPal API
- Used the PayPal API to allow users to purchase items with their PayPal account

### Air Hockey

- Built air hockey app with Node.js using the socket.io web socket module that allows real-time collaboration between multiple clients at the same time running on different machines
- Created user interface using JavaScript and jQuery

### cuACS

- Used C++ to design, develop, and test software for Carleton University Animal Care System; resulting in an accurate match of the most optimal sets of clients and pets.
- Improve existing processes by analysing areas that could be improved by coding and checking.

### TFTP Protocol

- Used Java to design and implement file transfer system based on TFTP (wait for acknowledgement, timeout and retransmit) protocol.
- Design to handle network errors, lost packets and duplicated. Wrote 600 lines of code in order to design in an accurate and maintained systems by keeping track of, identifying, and fixing software defects.

## OTHER EXPERIENCE

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**Security Guard (Part-time)**, Phoenix Private Security, Ottawa, ON     Jan 2014 – Dec 2014

- Operated over 50 surveillance cameras to monitor the interior and exterior public areas and entrances, secure entrances and check for break-ins

**Customer Service(Part-time)**, Quickie Convenience Store, Ottawa, ON     Sept 2018 - Present

- Store supervisor, data entry, receiving stocks, counting, and ordering, accurately estimate ingredients, supplied required to the store, and control inventory

**Customer Service (Part-time)**, Chatr Mobile, Ottawa, ON

Nov 2014 – Apr 2015

- Relied on upselling and suggestive sale techniques to sell additional products to customers, including cellphones, accessories, new plan activation and ordering stocks.
- Repairing cell phones, cleaning stores, counting income and closing batch.