

# John Francis Nacu

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## EDUCATION

### Bachelor of Science in Software Engineering

Expected April 2024 (including internship)

Schulich School of Engineering, University of Calgary

- Cumulative GPA: 3.138 | Fall 2021 Semester: 3.467

#### Relevant Coursework:

- **Database Management Systems (CPSC 471):** Self-taught Django, PHP, and HTML to develop a REST API along with a responsive web app for a gym-booking database.
- **Principles of Software Design (ENSF 480):** Developed an online rental property management system app using software design patterns such as observer pattern, strategy pattern and singleton pattern that ensures an easily upgradable and scalable system.
- **Principles of Operating Systems (CPSC 457):** Applied efficient algorithms on assignments to ensure that the program runs efficiently for all kinds of input, especially large input.
- **Principles of Software Development (ENSF 409):** Applied what was learned from discrete mathematics course to make an algorithm that finds lowest price possible to make a furniture from all the parts on the database using sets.
- **Data Structures Algorithms and Their Applications (CPSC 319):** Learned how to use various data structures such as stacks, queues, trees, hash tables, and graphs well as how to make them.
- **Professional and Technical Communication (COMS 363):** Learned how to write professional emails, memos, reports.

## SKILL HIGHLIGHTS

- **Analysis:** Critical reasoning along with ability to think of an efficient algorithm to implement in coding projects, as well as the ability to analyze data.
- **Communication:** Experience in writing letters professionally for various audiences by taking Professional and Technical Communications course.
- **Leadership:** Experience in leading course groups and properly dividing complex tasks while maintaining the objective in mind and keeping everyone motivated.
- **Problem Solving:** Creative troubleshooter who loves solving challenges by through creative ways.
- **Teamwork:** Proven ability to work in high pressure situations while still meeting the team expectations.
- **Technological Fluency:** Able to quickly adapt and learn to use new technologies such as applications and operating systems.

## TECHNICAL SKILLS

- **Languages:** Java, C++, Python (Django), HTML, CSS, PHP
- **Operating Systems & Other Tools:** Unix, Windows, MATLAB, XML, SQL
- **Programs:** Git, Visual Studio Code, IntelliJ, MySQL, Microsoft Office Applications, Postman

## RELATED EXPERIENCE

- **Schulich Ignite:** Mentored kids learning Java by giving an in-depth explanation of the current lecture topics while also helping debug their codes for any errors that are present, as well as giving them ideas on how they can make their code more efficient.
- **CPSC 471 API Project:** Learned how to design a database and how to develop an API that access or edit data values in the database.
- **CPSC 471 Web App Project:** Developed a web application that has unique pages for different user accounts. Main designer of the main UI for the web application.
- **ENSF 480 Rental Property Project:** Developed a system that different users to have different features that access the main database while also ensuring that the system is maintainable and easily upgradable.

## ADDITIONAL EXPERIENCE

### Customer Service Representative

Nov 2019 – Jan 2020

Vans

- Exhibited great customer service by greeting all the entering customers and ensuring that they have someone approachable that can help them find whatever it is they are looking for.
- Upheld store standard by making sure that the products are represented in a compelling way that is consistent with visual guidelines throughout the shifts.
- Made sales by engaging with browsing customers and giving them information about current store deals that they may not be aware of.

### Venue Services

Jul 2018 & Jul 2016

Calgary Stampede

- Ensured that the guests had an exceptional experience by keeping the venues, public restrooms, and corridors clean every shift.
- Routinely helped food stalls by taking out their garbage piles.
- Demonstrated exceptional attention to detail and was awarded with a Super Host Award in 2018.

## INTERESTS

- **Gaming:** Enjoys games from different genre like League of Legends, Valorant, and Genshin Impact.
- **Reading (Novels and Manga):** Follows several book series such as Classroom of the Elite and One Piece.
- **Watching Sports:** Avid Basketball and Tennis fan.