

# TASEEN WASEQ

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## EDUCATION

**Honours Bachelor of Computer Science**, Carleton University - 3.7 GPA

Sept. 2021 - April 2025

- Specialization: Management and Business Systems
- Relevant Courses Completed: Discrete Structures, Intro to Computer Science I/II, Calculus, Linear Algebra
- Awarded: Entrance Scholarship of \$8000, Deans' Honour List

## WORK HISTORY

**Software Engineering Intern**, Ideabytes Inc. - Ottawa, ON

Feb 2022 - Present

- Worked with team internationally providing newer insights into software improvement and development
- Implemented functionality and architecture refactoring for features including automatic translations for international shipments, automated PDF merging. Greatly improving time and memory efficiency of existing code
- Responsible for software maintenance and support across the codebase for web applications handling 1000+ daily transactions; delivering quick and efficiently written solutions
- Drafted architecture and engineered multiple SQL tables and queries; properly integrating with existing databases
- Delivered numerous User Guides and technical documentation for existing applications and presented to clients

## PROJECTS

**TAWallet: Investment Hub**



- Web application for retail investors track all of their market investments in one place
- Real-time price tracking for 2400+ companies through the implementation of the Alpha Vantage Stock API
- Allowing users to add buys/sells, check the performance and value of their individual stocks, and the entirety of their portfolio stored through the implementation of a mySQL database using JSON structure
- Integrated secure credential storage and thorough transaction/input validation

**Social Media SMS Update Bot**



- Program gathering users YouTube, Instagram, and Twitter data and returning the info by text message
- Automated web scraping and form submission with Selenium, outgoing text message using Twilio API

**TW Employee Management: Employee Storage and Management System**



- Web application for company managers to store/organize and easily access their employee's information
- Information stored through the implementation of a mySQL database, securely hashing for login credentials
- Display employees and managers clearly with full, easy to use CRUD functionality

## EXTRACURRICULARS

**CS Lightwork: Programming YouTube Channel**



- Simplified videos teaching both the conceptual understanding, and the coding of algorithms with all source code available through GitHub, ranging from beginner to advanced concepts, lessons, and problems for 150+ viewers

**Lyft - Back-End Engineering Virtual Program**



- Completed new software architecture for vehicle component classes, Python code base refactoring, unit testing, and test-driven development

**Goldman Sachs - Financial Technology Engineering Virtual Program**



- Providing cybersecurity solutions for password database leakage crisis by thorough analysis of results and proposing enhancements to current policies and controls

## SKILLS

**Languages**

Python, Java, PHP, C, Javascript, SQL, HTML, CSS

**Frameworks / Tools**

Git, Bootstrap, Selenium, POSTMAN, REST API, MySQL, vs-code, eclipse

**Soft Skills**

Communication, Resilience, Teamwork, Conflict Resolution, English, French, Bengali