

# KHUSHI UPADHYAY

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## EXECUTIVE SUMMARY

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A proficient computer engineering graduate, adept in software design, development, and testing. With exceptional analytical, technical, and programming skills, aspiring to excel as a computer engineer, driving innovation and achieving excellence in the field.

## EDUCATION

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Bachelor of Computer Engineering (Specialized Honours)

Sep 19 – Apr 24

*Certificate in Technology Entrepreneurship (BEST)*

York University, Toronto, Canada (Lassonde School of Engineering)

## TECHNICAL SKILLS

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Programming Languages:	Java, Spring, Python, Verilog, MATLAB, C++.
Database Management Systems:	SQL, MYSQL.
Other Tools/Libraries:	Visual Studio Code, Jira, Tableau, REST API, Jupyter, Arduino, Eclipse, Quartus, WordPress, Git, GitHub, Google Collab, Embedded Systems.

## EXPERIENCE

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Student Success Mentor Lead (Excel Lassonde)

Jun 23 – Apr 24

- Managed a free tutoring service under student welcome and support center at Lassonde School of Engineering, York University.
- Lead a team of 30, resulting in a 30% increase in participation. Managed the financials of the service by creating comprehensive reports and proposals.

FrontEnd Developer at YuRide

Sep 22 – Dec 22

- Utilized Java and Android Studio to develop an Android application, focusing on front-end development within an Agile environment.
- Enhanced app performance by 15% through code minification and resolved issues with browser developer tools.
- Achieved a 20% reduction in page load speeds and improved conversion rates by implementing ReactJS.
- Collaborated on application design and code using Miro, Figma, Microsoft Teams, GitHub, and Git.

Tech Specialist at GAOTek Inc.

May 22 – Aug 22

- Collaborated on the flow management of IEP for facsimile modulations in embedded development tools.
- Wrote test cases and debugged ITU-T T.38 codes using embedded C on Visual Studio Code.

## ACADEMIC PROJECTS

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AIAA Design, Build, and Fly

Sep 23 - Present

- Leading wireless communication as a part of the capstone project to build an RF 5ft airplane with real-time telemetry and autonomous flight capabilities.
- Collaborating on flight direction using Raspberry Pi and Python to meet AIAA competition requirements.
- Contributing to designing an aircraft that completes Mission 3 of the competition AIAA "Urban Taxi Flight" involving a five-minute window for takeoff, landing, and navigating a predetermined course with crew and passengers.

Warehouse Management System

Sep 23 - Dec 23

- Created a warehouse management system prototype with client side and server-side UI with URL parameters.
- Designed a UI software prototype of a warehouse management system with 6 use cases including login server, client server, placing an order, restocking, and many more. Applied more than 4 software design patterns.

Traffic Light Signal

Sep 22 – Dec 22

- Created traffic light signal prototype with the help of DE10-Lite and linked the board to the Verilog IoT Cloud and managed complex research equipment with two motors.
- Used sequential and combinational logic in Verilog to make streetlight change red/green with the help of four ultrasonic sensors.

## AWARDS / CERTIFICATIONS

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- UNHACK 2023 mentor certificate of appreciation
- Voluntary contribution award at the 2018-2019 Lassonde Awards Ceremony
- Associate Java Certification 1Z0-808
- 1Z0-819 - Java SE 11 Developer (In progress)