

# SIDHANT VASHIST

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## EDUCATION

**Candidate for B.ASc** - University of Waterloo, Management Engineering **'21 (Expected)**

- Cumulative GPA of 3.6 (83%)
- Courses; Introduction to Computer Programming, Data Structures & Algorithms, Optimization, Human Computer Interaction, Database Systems, Data Warehouse & Mining, Object-Oriented Programming

## SKILLS

<b>Development</b>	Python, Java, SQL, Dart
<b>Frameworks</b>	Flutter, Django, Flask, Pandas, BeautifulSoup, Selenium
<b>Tools</b>	Shell, Linux, Restful APIs, Git, MS Excel, Jira
<b>Database</b>	MySQL, SQLite, AWS RDS, MongoDB

## WORK EXPERIENCE

**Incoming Software Engineering Intern** - Honeywell **Jan '20**

**Automation Engineering Intern** - RideCo **May '19 - Aug '19**

- Automated KPI validation testing using Python and Selenium, decreasing the runtime by 75%
- Developed a suite of Python scripts to automate tasks such as payments, ETL processes, and creating and sending daily KPI reports to stakeholders, saving 15+ hours of weekly effort
- Reconstructed complex SQL data warehouses, decreasing runtime of existing reports by 30%
- Created a tool using Python and APIs to discover, analyze and assess business opportunities

**Growth Optimization Engineering Intern** - RideCo **Sep '18 - Dec '18**

- Redeveloped driver payment tool for Grab, reducing runtime by 50%
- Analyzed existing programs using simulations and A/B testing to find opportunities of optimization
- Created KPI monitoring dashboards to ensure service satisfaction using Python and Pandas

**Data Tool Developer Intern** - Finastra **Jan '18 - Apr '18**

- Created a ticketing system using Azure to track client related issues, saving \$1.5M+ in potential costs
- Designed a tool using Python to help delegate resources to projects based on historical data

## EXTRA-CURRICULAR

**Optimization Research Assistant** - University of Waterloo **Jan '19 - Sep '19**

- Created and solved an initial optimization model to find optimal bus stop locations for a bus route

**Co-Founder/Head of Software** - Industry 4.0 Design Team **Sep '16 - Feb '19**

- Led a team of 6 developers and designers to create a platform for the competition to take place

## PROJECTS

**Hustle** - Python, Django, SQL **Present**

- Platform that allows students to safely offer products and services to other students

**HomeSrvice** - Python, Django, SQL **Dec '18**

- Bidding platform that allows businesses to bid on customer requested services to ensure lowest price