

# PARKER ROWE

Energetic and hardworking Computer Engineering student with a passion for technology and learning new skills. Experience managing the AI sector of an internationally competing campus robotics design team. Seeking to expand organization, teamwork and professional engineering skills in a technical Summer position.

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## EDUCATION

### Bachelor of Applied Science (BASc) – Computer Engineering

*Expected Grad: April 2022*

Queen's University, Kingston, ON

CGPA: 3.40

- Enrolled in a 60-person specialized stream focused on entrepreneurship and innovation in start-ups
- Relevant Coursework: Engineering Design & Practice, Object Oriented Programming, Computer Architecture, Data Structures, Digital Systems, Linear Algebra, Electronics, Circuits

## TECHNICAL EXPERIENCE

### AI and Machine Vision Team Manager

*Sept 2018 - Present*

Queen's Robomaster Design Team - Kingston, ON

- Lead a team of 20 students toward learning and applying artificial intelligence using Python with Tensorflow to automate robots for the competitive DJI Robomaster competition in Shenzhen, China
- Successfully trained and deployed a custom hit-plate object detection algorithm using SSD-Mobilenet-V2 with a NVIDIA Jetson Nano mounted onto the robots to automatically target enemy hit plates
- Create legacy documentation, schedule weekly meetings, prepare slides, post agendas, update Gantt Charts with team's progress, and write quarterly reports on AI team progress and design processes

### QA Engineer

*Jan 2020 - Present*

FOOi Inc – Kingston, ON

- Perform recurring exploratory testing of FOOi's money transfer app to help identify defects alongside the lead mobile engineer, reporting bugs and tweaks in reports sent back to the development team

### Head of R&D & Product Design

*Oct 2019 – Jan 2020*

uFit Technology, Personal Start-up – Kingston, ON

- Planned and designed the UI for a new mobile fitness application using Figma, that was presented in the pitch deck for our company to enter the Queen's Innovation Centre Summer incubator program
- Conducted hardware research into pressure sensing technologies to create mock-ups for a prototype

## SOFTWARE PROJECTS

<https://github.com/parkuman>

### REACH – Social Event App

*Jan 2019 – Apr 2019*

Engineering Design & Practice Course Project – Queen's University

- Developed an Android and iOS app using Flutter, Firebase and Google Maps API to help students and companies list, find, RSVP, and pay for events around Kingston
- Relayed progress in weekly reports to a project manager, submitted professional engineering design reports outlining design processes, stakeholder needs, and future implementation plans

### Java Arcade Project

*Nov 2017 – Jan 2018*

Computer Science Project – Whitby, ON

- Developed the framework for a class-wide retro arcade program using Java and Google Sheets API to allow users to play six classic arcade games, chat in a global chat, and track high scores
- Assumed a leadership role to adapt and incorporate classmates' arcade games into the framework, leading to a successful implementation by the project deadline that was otherwise unachievable

## SKILLS

Report Writing Python Team Management User Interface Design Initiative PC Building Java C OOP  
Customer Service App Development Detail Oriented Time Management Personable Project Management

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## PREVIOUS WORK EXPERIENCE

### Winter Property Maintenance Worker

*Jan 2020 - Present*

Mackinnon Development Corporation - Kingston, ON

- Maintain the exterior safety of seven Mackinnon student rental and AirBNB units around Kingston during the Winter season, reporting weekly to the property supervisor

### International Shipping Receiving Specialist

*June 2019 – Aug 2019*

LCBO Durham Retail Service Centre - Whitby, ON

- Successfully unloaded over 4,000 cases per day of international alcoholic imports into Ontario to make up for the rushed implementation of the new warehouse management system
- Held accountable for the correct logging of incoming shipments sent into the warehouse
- Trained new workers on using the recently implemented warehouse management system and safe strategies for offloading containers

### Seasonal & Garden Centre Store Associate

*Apr 2017 – June 2019*

Canadian Tire - Whitby, ON

- Loaded over 500 bags of soil and mulch per day into customer's vehicles during busy gardening months
- Assisted customers with orders and general inquiry around the storefront
- Operated pump trucks and skyjacks for product storage and transportation around the store

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## VOLUNTEER EXPERIENCE

### Orientation Week Leader

Queen's University - Kingston, ON

- Conducted a safe and fun introduction to Queen's Engineering, Kingston, and the University experience as whole with events throughout the first week of school and the rest of the year
- Relied on as a friend, mentor, and leader to over 30 new engineering students; hosting tutoring sessions for class, advice on university life, mental health, social events and much more

### Nova's Ark

Rare animal sanctuary & disability rehabilitation centre - Whitby, ON

- Fed and groomed rare animal species across the farm including chinchillas, kangaroos, lemurs, etc.
- Supervised and interacted with day camp children with mental disabilities
- Ran therapeutic sessions between the animals and children

### Captain Michael VandenBos Public School

Durham District School Board - Whitby, ON

- Facilitated a workshop for the Durham District Science Fair
- Coordinated set up and take down of school events including movie nights, spring fair, play day & more.

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## PROFESSIONAL REFERENCES

### Abid Khimani

Acting Operations Manager

LCBO

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### Miko Lorenzo

Owner / Manager

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### Jack Demeter

Team Project Manager / Previous AI Team Lead

Queen's Robomaster Design Team

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### Rick DeMichino

Store Manager

Canadian Tire Whitby North

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