PARKER ROWE

Energetic and hardworking Computer Engineering student with a passion for tech and learning new skills. Experience in both mobile & web development environments and in the entrepreneurial field. Seeking to expand professional engineering & software development skills for the Summer 2020 period.

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EDUCATION

Bachelor of Applied Science (BASc) – Computer Engineering, Entrepreneurship & Innovation

Queen's University, Kingston, ON   *Expected Grad: April 2022*

- 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   *May 2019 - 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

Marketing Coordinator & Webmaster   *May 2020 - Present*

Canadian Undergraduate Conference on AI – Kingston, ON

- Design branding guidelines, marketing material, and marketing plans to successfully advertise North America's largest undergraduate AI conference
- Currently designing and rebuilding the CUCAI.ca website from the ground up using React and Gatsby

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 team to enter the Queen's Innovation Centre Summer Initiative

SOFTWARE PROJECTS   **https://github.com/parkuman**

AlarMe – A Special Alarm Clock App   *May 2020*

MLH Hack at Home

- Created a specialized WiFi Arduino MKR1000-based alarm clock that beeps, vibrates, and can only be snoozed by getting out of bed and tapping an NFC tag placed elsewhere in your home
- Developed an Android & iOS app using Flutter to set alarms on the clock and relay NFC status over WiFi

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

SKILLS

Report Writing · Python · Modern UI Design · React js · Flutter · Initiative · PC Building · Java · C · OOP

Self-Learning · App Development · Web Development · Time Management · Personable · Project Management

PREVIOUS WORK EXPERIENCE

Property Maintenance Worker *Jan 2020 - Present*

Mackinnon Development Corporation - Kingston, ON

- Maintain the exterior cleanliness & safety of seven Mackinnon student rental and AirBNB units around Kingston during the school year, 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

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.

PROFFESSIONAL REFERENCES

Abid Khimani
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LCBO
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Retrocloud Entertainment
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