Alex Perrin

260 Earl St, Kingston ON, K7L 2H8 | 613-453-5015 | 16arp5@queensu.ca

📁 alexperr.in 　　　in linkedin.com/in/qualexperrin 　　　⊙ github.com/AlexPerrin

Projects

ArcGIS Data Visualization | Personal   2020

- Used ArcGIS software to create visual animations of GPS data collected from my phone, exported from Google Maps. Developed Python programs to convert Google Maps data into a format readable by ESRI GIS. (See portfolio at www.alexperr.in)

Experience

Network Infrastructure Engineering Co-op | Queen's ITServices   Apr 2018 - Sept 2018

Completed a 4-month co-op under Queen's University Network Engineers with the goal of research and assistance with tasks of the Network Infrastructure Team.

- Audited all Queen's operated network closet preceding hardware upgrades. Generated reports and presented to Network Engineers with recommendations for future upgrades and maintenance.
- Developed and documented AHK macro scripts for automating the import of IT service requests from excel into database software, reducing working hours of a network analyst by 6 hours per week to be used for other tasks.
- Developed and documented Bash server scripts for the automation of retrieving statistics data from network devices, manipulation of data into readable formats, and displayed as a live feed within the IT office.

IT Operations Server Administrator | Queen's Engineering Society   Sept 2019 - Present

- Manage Queen's EngSoc operated Linux Servers and the associated web applications and services.
- Deploy websites for clubs and events using LAMP stack, Wordpress, and managed website databases' using PostgreSQL.
- Develop and document bug fixes and security patches for EngSoc Dash; the internal hiring system, using Ruby on Rails.

Repair Technician | uBreakiFix   July 2019 – Jan 2020

- Served customers in the process of repairing electronic devices, ensuring satisfaction in the provided solution and resolution of any problems throughout the customer experience.
- Handled all store operations of the downtown location including opening and closing, inventory management, orders from distribution and vendors, and reports on store metrics and daily cash balance.
- Ranked in the top 100 repair technicians across over 500 locations, based on repair metrics and customer feedback surveys.

Teams

Hack Western 5 Hackathon   2018

- Managed a project of four developers to create an IoT device which tracks groceries stored inside a fridge, including a touch display, and a barcode scanner to inventory items, and a web application UI to display quantities and expiration date from any connected device.
- Contributed within the team as the backend developer, creating the functionality of the web application using Node.js, implemented the barcode scanning API, inventory database, and food SKU database API.
- Created a project plan to ensure that our product would be completed within the 48-hour timeframe. Coordinated subsections of the project with different developers within the team.

Education

BASc Computer Engineering | Queen's University   2017 – 2021

- Relevant courses include: C, C++, and Java Programming, Data Structures, Databases, Algorithms, Calculus & Linear Algebra

Bayridge Secondary School   2013 – 2017

- Principal's Pin of Academic Excellence, Ontario Scholar Award, Honour Roll
- Subject awards for achieving highest grade in the class in:
  - Business Computer Applications, the professional use of Microsoft Word, Excel, and PowerPoint.
  - Computer Science (twice), using the Python programming language.