# Payam Partow

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📍 Vancouver

## PROJECTS

### SWIVEL BIKE SHARING MOBILE APPLICATION AND SMART-LOCK | Simon Fraser University
Vancouver, BC          Jun, 22 – Dec, 22

- Built a React native mobile application for a crowd-sourced bike-sharing platform that connects people with bikes in the area.
- Implemented an interactive map screen that displays available bikes in the area along with their rental price, model, and rating.
- Developed a REST API served by Flask to keep track of the bike's GPS location, unlock the smart lock, and issue accelerometer sensor alerts as push notifications to the bike owner.
- Designed a weather-resistant smart lock that detects theft and communicates via the Helium LoRaWAN blockchain network.

### REMEDI IPHONE APP TO AID PEOPLE WITH PARKINSON'S DISEASE | Simon Fraser University
Vancouver, BC          Sep, 19 – Dec, 19

- Built an iPhone application as a group project to aid Parkinson's patients and connect them with their physicians using Swift, Xcode and iOS software development kit.
- Developed the back end of our application using the Firebase platform and the Xcode dependency manager CocoaPods.
- Designed and developed a companion website, to be used by the physicians, using HTML, CSS and Javascript along with Firebase.

## EXPERIENCE

### MARK ANTHONY GROUP | Help Desk Technician
Vancouver, BC          Apr, 21 – Dec, 21

- Supported internal employees, with accounts and computer problems using ticketing software, Service-Now to document the issues and ensure all notes are properly and efficiently filled out with detail.
- Proficiently managed user accounts, security groups, and domain policies in Active Directory to ensure efficient network authentication and authorization.
- Repaired computer hardware in the case of a workstation failure, and used software diagnostic tools and scripts to monitor client health with system center configuration manager (SCCM)
- Implemented Dynamics 365 CRM software, and carried out IT duties including setting permissions for users, creating reports, and importing data into the software
- Proficient in utilizing Okta's Identity and Access Management solutions, including Single Sign-On, Multi-factor Authentication, and User Lifecycle Management, to enhance security and streamline user access for enterprise applications.

### STEM CELL TECHNOLOGIES | Technical Service Representative
Vancouver, BC          Jul, 18 – Dec, 18

- Deployed desktops and peripherals, following deployment documentation and checklists
- Upgraded hardware and/or software on existing equipment
- Conducted network connections for desktops and printers
- Troubleshot to determine and resolve the root cause of hardware or software malfunctions
- Approached challenges with a solution-oriented mindset and curiosity

## SKILLS

### PROGRAMMING
Python, HTML/CSS, Javascript, C/C++, SQL, ARM Assembly, VHDL, Verilog

### DATABASES & CLOUD
AWS, MySQL

### TOOLS
Git, Excel, Linux, Docker, VirtualBox, Visual Studio Code, Xcode, PyCharm, Okta

### FRAMEWORKS & LIBRARIES
ReactJS, Selenium, Numpy, Beautiful Soup 4

## EDUCATION

### SIMON FRASER UNIVERSITY
Burnaby, BC

Bachelor of Applied Science - Computer Engineering

## COURSEWORK

- Algorithms and Data Structures
- Computer Systems
- Data Analysis
- Software Testing
- Numerical Computation
- Linear Algebra
- Discrete Mathematics

## LINKS

- github.com/PayamPartow
- linkedin.com/in/payam-partow

## INTERESTS

- Cloud Computing
- Automation
- Cybersecurity
- Music production
- Blockchain and cryptocurrency