Jaguar Perlas

jaguarperlas.com   linkedin.com/in/jaguar-perlas

phone: (778) 989-6449 || email: jperlas@my.bcit.ca

Profile

BCIT Computer Information Technology student who takes initiative and has high standards in his own work and in group work. I bring experience in leadership and enthusiastic communication to motivate my peers and create a strong chemistry to produce the best results.

Technical Skills

Coding	Hardware / Software	Networking	Database
Python	Windows 7, 8, 10	IPv4 and IPv6 Routing	MySQL
C#	Linux	DHCP	MongoDB
Bash	Laptop Repairs	DNS	SQLite
HTML / CSS / JavaScript	GitHub / Git	NAT	
Node.JS / Angular	Active Directory		
Java	Windows Server 2019		

Academic Projects

Outbreak: Source || Lead Developer   May 2020
BCIT Agile Methodology Course
- Worked alongside with 6 team members including lower term students
- Developed an API heavy idle-game application using the Agile development process and MEAN stack
- Wrote documents and tutorials for lower term students so they can contribute to the project
- Specialized in backend, database, and core mechanics of the game
- Technologies used: MongoDB, Express.Js, Angular, Node.Js, GitHub
- https://github.com/jperlas2019/Outbreak-Source

HallPass || Lead Designer   May 2020
BCIT UX/UI Design Course
- Worked in a team of 3 to design a universal school mobile application
- Designed a mobile app that would link to the school's online services and display information in a familiar user interface
- Created surveys and developed user personas to appropriately design the app according to their problems
- Reviewed peer work and gave constructive criticism to produce a better end product
- Technologies used: Figma
- https://www.figma.com/proto/RJ5UcWjVAWLi2b6fQDyxfB/User-Flows?node-id=6%3A192&scaling=min-zoom

Python MP3 Player || Lead Developer   Mar - Apr 2020
BCIT Object-Oriented Programming Course
- Worked with 2 other members using GitHub
- Programmed a music player using Python object-oriented fundamentals with a database and GUI
- Connected SQLite, VLC, and Tkinter to work together and play mp3 files from user's harddrive
- Wrote unit test code and manual tested using CRUD requests with Postman
- Technologies used: Python, SQLite, VLC, Tkinter, GitHub, Postman, eyeD3 module
- https://github.com/jperlas2019/Python-MP3-Player

Router Project   Feb - Apr 2020
BCIT Networking Course
- Constructed a router using IPv4 and IPv6 to investigate the foundations of computer networking
- Connected over 4 nodes and 3 routers that includes DHCP, NAT, and packet filtering using nftables to make a network
- Set up a DNS server for the network to translate IP addresses into domain names
- Technologies used: CentOS, Red Hat

Food Ordering Website   Feb - Mar 2020
BCIT Web Applications Course
- Developed a food ordering website using MEAN stack and Bootstrap
- Programmed a login page using browser sessions to integrate user roles such as guest and admin
- Integrated security checks so that guests do not have/see admin pages/privileges
- Established a database to store items, price, and use them to calculate price
- Technologies used: MongoDB, Angular, Node.Js, Express.Js, Bootstrap

Personal Projects

Combo Swipe   May 2020 - Present
Unity Mobile Game
- Currently developing a single player 2D RPG mobile game using Unity and C#
- Programmed multiple data structures for the core mechanics of the game
- Implemented formulas for health, player stats, attack damage, and probability
- Conducted constant manual testing to decrease the potential of bugs and exploits
- Technologies used: Unity, C#

Experience

Beginner Jazz Band Student Teacher   Sept 2017 - June 2019
Holy Cross Regional High School Music Program
- Taught a beginner jazz band consisting of 16 students from grade 8 – 10 twice a week
- Spoke and presented to large crowds in multiple events to run (emcee)
- Inspired students to learn more about jazz and be motivated to come to class
- Critically analyzed individual playing and playing as a whole to improve each student and the band

Rides Operator   Jun 2017 - Sep 2018
Pacific National Exhibition (PNE)
- Loaded, unloaded, and maintained a roller coaster for over 100 guests for 5 days a week
- Motivated co-workers over long summer days to bring up enthusiasm
- Showed positive attitude and enthusiasm to bring joy to the guests
- Documented maintenance periods and problems with the train to predict future problems
- Adapted to changes in environment and various people to ensure the best possible experience for guests

Education

Computer Information Technology Diploma   Sept 2019 - Present
British Columbia Institute of Technology, GPA 86%