ARJAN SANDHU
SOFTWARE ENGINEER

✉ arjan.97@hotmail.com
🌐 sandhuarjan.com
📞 604 729 1463
📍 3471 Pacemore Ave. Richmond, BC, Canada, V7C 1N4
in arjansandhu
○ arjansandhu

▶ Education

University of British Columbia
B.ASc Computer Engineering 2020
Commerce Minor
2/4 work terms completed
5/9 academic terms completed

▶ Skills

SOFTWARE LANGUAGES
Java
Python
PHP
JavaScript
C, C++
SQL
NodeJS

DEVELOPMENT TOOLS
Linux
Git
AWS
Firebase
PuTTY
VS Code

▶ Activities

Private Pilots License: Flying single-engine airplanes for local recreational trips

UBC Intramurals: Ice Hockey, Ball Hockey, Basketball, Flag Football

▶ Employment

Zaui Software — Vancouver, BC
Junior Developer — May 2018 to Aug. 2018
- Created a CSV file generating module for 70+ report types by building an HTML parser using PHP
- Overhauled the resource assignment interface by implementing drag and drop capability for vehicles, drivers, and passengers
- Enhanced customer order portal capabilities by adding variable order deposits and hiding/showing products based on capacity

TELUS — Vancouver, BC
Co-op Software Engineer (Network Automation Division) — Sept. 2017 to Dec. 2017
- Implemented automatic alarm retrieval protocols using Groovy and SOAP web services for Telus' national fiber-optic network
- Streamlined the daily duties of internal network technicians by building a custom network device diagnostic dashboard

Round Wrap Industries — Richmond, BC
Part-Time Software Consultant — July 2016 to Aug. 2018
- Acted as a bridge between upper management and a contracting company for an ERP software overhaul project
- Improved production reliability by creating a barcode-based order tracking system which provided accurate ETA's and logged defects

Gallium Academy — Vancouver, BC / Sechelt, BC
Instructor — July 2016 to Aug. 2016
- Supported high school students in creating a home-automation project as lead instructor for lessons on circuits, Arduino hardware, and Arduino programming

▶ Projects

Custom Client Order Portal - Freelance — July 2018
- Utilized Javascript, Bootstrap, NodeJS, and Express to create a web-based custom order placement system
- Licensed the service to Round Wrap Industries to streamline their order creation process by replacing manual entry through fax and email

Find My Stuff - nwHacks — Jan. 2018
- Created a web platform during a 24-hour invite only hackathon that generated QR codes for users' possessions that linked to their contact information and sent a notification when found
- Utilized JavaScript and Bootstrap for the front-end along with a Firebase back-end and deployed on AWS

Auto Google - Personal — Dec. 2017
- Explored vulnerabilities in the IOS HQ app using Python, OpenCV, and the Google custom search API
- Consistently retrieved accurate trivia answers through keyword recognition for research in bot exploitation

Smart Mirror - UBC — May 2017
- Collected data from multiple sensors via Arduino and Raspberry Pi which was transmitted to a MySQL server on a virtual machine
- Created a synchronized cloud app using PHP and Bootstrap that displayed statistics live to the user through a mirror

▶ Extracurricular

Delta Kappa Epsilon Fraternity - UBC
- 2018 Treasurer - In charge of all chapter finances including budget management for 70+ members
- 2017 Philanthropy Chairman - Raised over $43,000 during our Stick it to Cancer ball hockey tournament