Soft Skills

* Strong interpersonal skills – Team player, leader and independent. Thrives in team environment and work well with others or individually
* Customer Service – Handle requests and inquiries in an efficient, diplomatic manner
* Strong improvisation, analytical, and problem solving skills
* Dedication and personal accountability
* Self-directed, driven, takes initiative and eager to learn new things
* Clear and concise verbal and written communication skills
* High standard of work with positive attitude
* Bilingual (English, Cantonese)
* Organized, prioritizes and focus oriented
* Professionalism

Technical Skills numpy, interacting, UML modelling, provided constructive criticism, counselling *proven record*

https://objectpartners.com/2010/09/24/how-to-write-a-technical-resume-2/

Languages C++, C, Java, Python, Assembly, Scheme, node.js, Shell Script, SML, Haskell,

Prolog, Visual Basic

Web Dev. XML/XPath, JSON, JavaScript, PHP, HTML, Flash, jQuery, CSS, OpenSSL

Editors/IDE/Tools Git, SVN, Version Control, VMware, Microsoft Word & Excel, PowerPoint,

Outlook, Eclipse, Qt Creator, Sublime, Vim, Wing IDE, LaTeX

Database Tech/DBMS MySQL Server, MySQL, PostgreSQL, SQLite, ETL, JDBC

OS Windows, OS X, Linux

* Software Design Object Oriented Design and Programming, data structures, modern design patterns, design methodologies, software and algorithm design principles
* Software Dev. Large scale, agile dev., scrum, Windows and Linux Deployment, project management, verification and validation
* Quality Assurance Black, White, Grey-box testing, JUnit, Pytest
* Network Security MD5, AES, (3)DES, RSA, asymmetric encryption, hashing, SQL Injection, XSS, CSRF
* Artificial Intelligence A\*, local and graph search, CSP, mini-max, Expectimax, reinforcement learning, Bayes and Neural Net, Decision Trees

Education and Awards

2010 – 2015 University of Toronto, Honours Bachelor of Science

* Computer Science Specialist – Software Engineering

2010 110 Blackhawk Squadron, Inspiration Award

* For inspiring enthusiasm, commitment, and dedication to the Cadet Legion

Relevant Projects

|  |  |
| --- | --- |
| **C++, PostgreSQL, MySQL, OpenSSL, QT Framework** | Created an Enterprise Resource Planner (ERP) that helps a hotel with their administration. Stores and updates client information into a database and sends automated e-mails with daily database backup. Includes login, sort, custom settings, and advanced search features. |
| **Java, Android, MySQL** | Planned, developed, and deployed a password protected android planner app that helps teaching assistants keep track of student progress, class schedules and term marks. Sync-able to other devices through a database. Team of four. |
| **Python** | Contributed as a team to user requested enhancement features and major bug fixes to Python library matplotlib. |
| **Python** | Built an image alteration program and various two player games that includes AI option. |
| **Python** | Implemented AES as a course assignment. |
| **Node.js** | Built a Twitter and Tumblr web client that uses a custom REST Service. |
| **C** | Coded a program that gave unique jobs to different processes and multi-threaded processes. |
| **Assembly** | Built a custom version of the square array data structure and other smaller programs. |

Employment History

2014 – Current **Math Teacher**, T.H. Chan Memorial School

* Fine attention to detail tailoring relevant and impactful tests, coursework & homework for students
* Establish positive and constructive relationships with students
* Parent-teacher meetings and evaluations
* Teach lessons encompassing a wide variety of strategies
* Plan grade 7 and 12 adv. function curriculum according to the Ontario guideline.

2013 **Junior Backend Developer**, Logic Tech Corp

* Built reusable C++ code following modern design patterns allowing easy integration to existing projects
* Coordinated with Support Team to efficiently manage and maintain up-to-date client data in backend systems and databases
* Preformed regular updates and backup to ensure integrity of the system is maintained
* Designed and implemented database storage solutions in MySQL and PostgreSQL
* Implemented regulatory database backup program, from MySQL to PostgreSQL
* Took initiative in developing quality of life changes to improve end user experience

2011 – 2012 **Human Resource Associate**, UofT Scarborough Campus Student Union

* Maintained detailed profiles of employee record
* Proactively arranged employee candidates with interviews via phone calls
* Organized, process, and review documents and resumes
* Designed a training program for waitresses and servers

Volunteer/Extra-curricular

2007 – 2011 **Flight Sergeant/Commander**, Blackhawk Squadron Royal Canadian Air Cadets

* Senior position (Flight Sergeant and Commander) through excellent leadership qualities
* Organized multiple squadron weekend field training exercises ensuring cadet’s safety, promoting leadership, initiative and enjoyment.