

Patrick Yau Pak Wa

Mobile: +852 95140235 (GMT +8)
iiaiaappa@yahoo.com.hk
<http://theforwardway.com>

Objective: A position in the field of information technology, software engineering and testing, where the ability to develop effective IT and software solutions in a fast-paced business environment is needed.

Education:

MSc. Computer Science at City University of Hong Kong May 2014
B.S. in Computer Science (Minor in Mathematics) at Washington State University, Pullman, WA, USA May 2011
3D Animation and Visual Effects Diploma at Vancouver Film School, Vancouver, BC, Canada April 2010
(Demo reel available at: <http://theforwardway.com/fx.php>)

Summary of Qualifications

A highly motivated programmer who is a sharp-thinker and a persistent problem solver with exceptional problem solving and software development skills. Strongly believe in high quality can pay extra dividends. Significantly relevant skills include:

- Competent at documenting, designing, implementing, testing, delivering, maintaining software API integration and specifications.
- A self-starter on problem solving. Tried and proven strong R&D capability. Effective team work with high work standards.
- Advance in: .NET (WCF, WPF, MVC5/WebAPI 2, OWin, Windows Service, Webforms, Winforms, Mvvmlight, C#5), Javascript (Dojo, Jquery, ExtJS4), C, C++, Java, Pascal, Flex AS3 (including skinning+external interface), Regex.
- Experience with MS SQL Server, MySQL, Postgresql, SVN, GitHub, Nuget (Proget) publishing, MS Visual Studio 2010-2015, Eclipse, Kdevelop, Netbeans. Windows IIS/apache, MS-DOS, Linux.
- I also welcome (but not limited to): HTML5/CSS3, Facebook API, UNIX shell commands, PowerShell, Autohotkey, Python, PHP, VB, MS Visio, 3D Animation, Rigging, Maya, MelScript, TCL/python, Compositing and Color Theory, Visual Effects.
- Excellent listening, communicating, and writing abilities in English, Chinese, and Cantonese.

Highlighted Experience:

Senior Application Developer Analyst, Alliance Computer Systems Limited May 2015 – Present
Analyst Programmer, Alliance Computer Systems Limited Oct 2012 – May 2015

- Used **WCF, WPF, Mvvmlight, Silverlight5 Mvvm, Windows Service, ASP.NET MVC5/WebAPI 2, ExtJS4, Wix Installer, SQLite, MSMQ, MSSQL Service Broker and CLR assembly, Private Nuget Server, Ninject, Redis, Windows Load Balancing, NLog, CodeSmith Generator, Java Maven, Tomcat 6**
- Cooperated with teams of 8+ oversea companies for casino API Integration projects including various Game Result/Account Data/Fund Transfer/Syncing, OAuth 2.0
- Developed and Maintained Common Codebase, Monitoring Programs, Middle-tier of game site, Administration Site.
- Maintained over 5+ API specifications and internal documentations.
- R&D and promoted across the team with the usage of Fiddler, MMA, Wmi, Wireshark, Powershell, Baretail, RabbitMQ.
- Successful performance optimization using Redis/Inproc caching, multithreading, async stored procedure access and http calls.
- Troubleshooting and supporting on System-wide problems. Promotes high code quality and proper coding practice, refactoring, support/system maintenance automation and problem prevention.
- Training and building a team with other fellow coworkers on third party integration development, refactoring, QA and deployment.

Programmer, Esri China (Hong Kong) Limited, Hong Kong Nov 2011 – Oct 2011

- Used **Esri Flex/Javascript Map API, Facebook API, Flex, Dojo, Jquery, C# Webforms, Autohotkey scripts**
- Revamped treeprint.hk web interface and back-end (in Chinese only). Utilized Facebook as social media elements.
- Listed as Technical support staff on Esri Javascript Map API and Esri ArcGIS Server.

Part-time Programmer, Environment News Service (ENS), WA, USA Feb 2009 - May 2009

- Used **C#, Autohotkey scripts, regex**
- Automated data conversion and processing. Saved the company days of manual labor to convert web pages into plain text/database.

IT coordinator, International Students' Council (ISC), Washington State University, Pullman, WA, USA June 2006 – 2008

- Used **HTML, ASP, and ASP.NET Web forms**
- Recreated Council website to reflect the organization's communications strategy and design.
- Managed and utilized all technologies resources for International Students' Council.

Tutor, Shoreline Community College, WA, USA. Mar 2003 - Mar 2006

- Provided 150 hours of tutoring service to 10 English-speaking students with Java programming and Mathematics up to Calculus.

Other Accomplishments:

Course Cpts 360/460 Low level Operating System Programming - C
Demonstrated my own Linux compatible operating system with booting, process management and file system commands.

Course Cpts 455 Proxy Server - Python
Modified HTTP headers in Application layer to build a proxy server with the power of Python string parsing and Networking library.

The Vancouver Film School Demo Reel - Python, Mel Script
Competent with Nuke Compositing, manipulated render layers and nodes in Mel, TCL/python. (See: <http://theforwardway.com/fx.php>)

Awards:

- **Recipient**, Four times President Honors Roll, Washington State University Throughout 2005-2011
- **Recipient**, International Student Merit Scholarship, Washington State University 2005-2008
- **Attendant**, Leadership Institute, Washington State University 2007
- **Recipient**, Three times Honorable mention, one Outstanding piano jury award, Shoreline Community College 2005

Personal Interests:

Intellectually curious just about anything. Sports includes Swimming, Hiking. Arts includes: Piano Performance and improvisation (certified as a piano teacher), Metal Music, Traditional Folk Dance, Folding@home, vegetarianism and environmental conservation.