

## Quynh Pham

Email: quynhpham@gmail.com

### EDUCATION

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**Pennsylvania State University**, Penn State, PA. December 2000 – December 2004

B.S. Computer Science, GPA: 3.5

**Honors and Awards:** The National Dean's list, Morrow End Scholarship, Society of Women Engineers Scholarship, Rick Arkans Memorial Scholarship, Hallowell Scholarship, Campus Scholar Award, Robert G. Schwartz Incentive award

### EXPERIENCE

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#### **Software Engineer, IBM, Boca Raton, FL. 03/2005-current**

- Developing different components for WebSphere Voice Server to do voice and speech recognition using J2EE, Struts and Tiles.
- Researched, prototyped, and developed Configuration Models for WebSphere Voice Server using Java, Jacl and Jython.
- Developed support tools to expedite customer problem solving and help level 3 support for WebSphere Voice Server using XML and shell scripting.
- Created unit test cases to automate the testing process using JUnit and ant scripts.

#### **Pre-professional programmer, IBM, Austin, TX, 05/2004-12/2004**

- Used code inspection tools to identify defects in the AIX operating system
- Opened defects against complaints that were valid, and worked with the developers of the tools to fix the defects
- Fixed and tested the defects in the user-space of operating system code
- Wrote shell scripts to help automate the process
- Evaluated RootCause product and Rational tools (Purify Coverage and PurifyPlus) – debugging tools to resolve memory leaks, performance bottlenecks and patch codes on the fly

#### **Pre-professional engineer, IBM, Raleigh, NC, 01/2003-08/2003**

- Developed telematics test applications for IBM's performance testing using Java
- Developed scaffolding to emulate vehicles running telematics client applications
- Transformed XML scripts captured from PocketPC using XSL
- Ran different Everyplace Synchronization Server tests
- Captured SyncML (XML) files and created C scripts to run Everyplace Synchronization Server tests.

### RESEARCH

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#### **Penn State University, Spring 2004-Summer 2004**

- OpenGL Programming project: developed stereo to work with OpenGL programs using GLUT and GL libraries.

#### **Penn State University, Spring 2001-Summer 2002**

- Palm programming project: developed applications for Palm Pilot using Codewarrior Software. The software is being used at a CSE course at Penn State.

### ACTIVITIES, INTERESTS, AND SKILLS

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- **Programming Languages:** Java, C++, Delphi, Jacl, Jython, Matlab, XSL, Pascal, Shell Scripting.
- **Web Skills:** J2EE, HTML, XML, JavaScript, SQL, JSPs, VXML, Struts & Tiles, EJBs.
- **Applications:** DB2, Microsoft Office (including Access/Excel VB), Photoshop, IBM RAD (Rational Application Developer), JUnit, HTTP Servers, System Management Tools, Handheld software, Speech software
- **Activities:** IEEE student member, Member of Math Club, Member of the Mentorship Program, Member of ACM Club, National Robotics Contest