

William C. Moyers

314 E Main St, Ste 1

Newark, DE 19711

(302) 224-2475

moyers@agora-net.com

CAREER HIGHLIGHTS

Systems Programmer

2007 – Present

AgoraNet, Inc. - Newark, DE

- Primary developer on ModelTalker speech synthesizer for people with disabilities, includes a C# voice banking tool, Java web service, cross-platform native synthesis library, and in-house voice analysis software.
 - Developing Android client using SDK for user interface and audio playback using the NDK to build the native synthesis library.
 - Currently developing iPhone and iPad (Objective-C) versions of the interface application.
- Led development of a data driven questionnaire web application interfacing with EPIC hospital database for use as a patient survey and clinician data entry form using an iPad in a hospital setting. Developed an iPad app integrated with the web application to securely take patient photographs without storing them on the device longer than necessary.
- Led development of an extensive upgrade to a legacy (15+ years) web application (JSP) for reporting gait analysis data back to patient's doctor.
- Led development of a C# ASP.NET web application/service for internal time tracking (TimeTracker) with a DB4O storage backend.
- Developed Android (Java, SDK) and cross platform desktop C# clients talking to the TimeTracker web service. The Android client uses SQLite to mirror the remote database and generate reports.
- Developed Android (Java, SDK) and iOS clients talking to a web service (Java, PHP) for a daily deal site.
- Developing Android (Java, SDK) and iPhone (Objective-C) apps for a personal security system.
- Developed iPhone app for storing personal details with local security constraints.
- Developed a web application (Java, PHP) for distributing accessible instructional materials to schools.
- Developed and contributed some modules to open source Virtualmin systems administration project.
- Developed numerous website front-ends (jQuery, DhtmlX) and back-ends (PHP, Java, Perl, MySQL, PostgreSQL).
- Developer on Chauvet, a prototype mobile graphics customization system for young children and people with significant cognitive disabilities who use communication devices (C#, C++).
- Developing an iPad app (Objective-C) for auditory training for children with cochlear implants to practice recognizing speech sounds outside of sessions with a speech therapist.
- Developed statistical prediction of folders for filing mail to Nostalgry, a plug-in for Thunderbird.
- Developed indexing module (Java, JMX) for a high volume news crawling site.
- Developing an Android client and server backend (Java, Roo, Spring) for a prototype social networking application.

COMPUTER SKILLS

- **Languages:** C/C++, Java, C#, PHP, Objective-C, Scala, Python, Haskell, Perl, Javascript, jQuery, JSP, more
- **Systems:** Linux, Windows, MacOS X, Android, iOS, Arduino
- **Tools:** Eclipse, Visual Studio, XCode, Apache, MySQL, PostgreSQL, OpenGL, shader programming, more

EDUCATION

University of Delaware

2006 – 2008

- M.S. in Computer Science

University of Delaware

2001 – 2005

- B.S. in Computer Science