

Mark Plummer, markus@nrgnet.com, +1 703 953 1469

Geospatial experience

Graduate study at George Mason University. Course work has included geographic information systems, GIS algorithms and programming, spatial indexing, ESRI and open source software, photographic and digital remote sensing, quantitative analysis, ellipsoidal geometry, and cartography. Georeferencing and digitizing maps using ArcGIS. Integration with Google and MapQuest APIs using Javascript and HTML. Programming with ESRI Geoprocessing using Python.

Programming experience

New development and maintenance using C, C++, Java, Python, Perl, and SQL on a wide variety of Unix platforms (Linux, BSD, OS X, Solaris, HP/UX, Digital Unix, and AIX) as well as Windows and VMS. Database programming and design using JDBC, embedded SQL, and Sybperl on Sybase, Informix, and Oracle. Web development using HTML, Cold Fusion, JavaScript, XML, Perl / CGI, Apache, and IIS. System administration in support of development.

Selected work experience

Courage Services (May '07 - present), Geospatial Analyst
Georeferenced and digitized ethnic, language, and tribal maps of Asia and Africa using ArcGIS.

AOL (June '03 - Dec '06), Senior Software Engineer
Responsible for maintenance and new development of server and web based applications for the America Online infrastructure service using C, C++, and Java on Unix and Linux. Designed and implemented feature changes for a user-facing password maintenance system. Designed and implemented feature changes for a credit card database and form-fill system. Trained overseas coworkers in maintenance of systems.

Cidera / SkyCache (Sept '02 - June '03, June 1999 – Jan '01), Software Engineer
Designed and implemented components of a satellite network system to provide bandwidth allocation and reliable object delivery using TCP/IP and UDP/IP multicast sockets over satellites in C on BSD Unix.

Markus Consulting (July 1995 - July 1998), Consultant
Ran a business providing programming, networking, and system administration support for clients including Daft McCune Walker, BancTec, McCabe & Associates, and TRG Networking.

BancTec (Feb' 1993 - April 1995), Consulting Software Engineer
Designed and implemented new features and did maintenance coding in C of a network based image and document processing system in a cross-platform Unix environment (HP/UX, Solaris, Digital Unix, and Tandem) using sockets, Informix, and Oracle.

McCabe and Associates (Sept' 1989 - March 1991), Programmer / Analyst
Designed and implemented programming language parsers and other software tools in C in a cross-platform environment (Unix, DOS, and VMS).

Education

George Mason University

Currently pursuing MS in Geographic & Cartographic Sciences with GIS Certificate. GPA: 3.91.
Expected completion: May 2009.

Loyola College in Maryland

BS in Computer Science. GPA: 3.49. May 1989.

Contact

Mark Plummer

4094 Majestic Lane #214
Fairfax, Virginia 22033
markus@nrgnet.com
+1 703 953 1469

Member ASPRS and ΓΘΥ (Gamma Theta Upsilon, Geographical Honor Society).
Please contact for more information, transcripts, or references.