

Eric Z. Ayers

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Experienced, adaptable, hard working senior software engineer seeks opportunity in an environment where innovation, quality and teamwork are valued.

Education: Georgia Tech, BS, June 1993, GPA 3.8
Georgia Tech, MS Computer Science, June 1995. GPA 3.9
Master's work on HCI, work published at W3C <http://goo.gl/sXxLD>

Languages: Java, C, C++, JavaScript, Dart, GWT, Python, Perl, Unix Shell

GUI: Swing, GWT, DOM/HTML/CSS, GL, X

Platforms: Unix, Mac, Windows, PIC and Atmel microcontrollers

Skills: Proficient in UNIX programming, system administration. TCP/IP networking, high-availability/distributed computing, programming, Database/SQL, Java servlet, networking, serialization and concurrency, Google AppEngine. Experience writing compilers, core libraries. Test driven development/Design patterns/OO design.

International: With Intec, worked as a part of a multinational team with presences in 8 countries, with over 100 international customers (telecommunications companies of all sizes.) Worked with other Google engineers in many countries. Onsite work on projects in Brazil, Sweden, Germany, China, U.K., Australia, Switzerland.

Activities: Google Community Affairs board charter member. Developed, promoted, and coordinated metro wide programming competition universities. Hosted two Google interns and recognized by University Relations. FIRST mentor for 6 years at Norcross High School (1379) and Carver School of Technology (1795). Lead fundraising efforts for Carver and recruited other mentors and sponsors. Regional volunteer. Leader of Atlanta Linux group (ALE) for many years in the 1990's

Hobbies: Robotics and electronics. See <http://ayershome.org>
Woodworking and metalworking.
Enjoy cycling, running, hiking, traveling

References: Upon Request

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Work Experience:

Google

Senior Software Engineer

Atlanta, GA

October 2007 to present

Nearly all my work at Google is open source published under zundel@google.com

Dart: A new platform for structured web apps. (JavaScript alternative)

Worked on Dart to JavaScript compiler, editor, static analyzer, language conformance tests with some of the most well respected names in the industry.

Java/Python/Dart on 50+ person extended team

<http://dartlang.org>

SpeedTracer: A tool for visualizing true browser performance of web apps

Provides insight into all browser events, such as paint, layout, HTML parse, script execution and garbage collection. Shipped as the largest Chrome extension at launch.

Java/JavaScript/C++/HTML5/Chrome Extensions on 4 person team

<http://code.google.com/speedtracer>

Google Web Toolkit: For building and optimizing complex browser-based applications

Worked on Java to JavaScript Compiler, Hosted Mode, many performance improvements, build tools integration, customer facing issues.

Java/JavaScript/GWT on 20+ person team

<http://code.google.com/webtoolkit>

Google API Libraries for GWT: Developed and managed project to bring bindings to popular Developer APIs such as search, gadgets, chart tools and Maps

Java/JavaScript/GWT Solo developer/manager working with other teams within Google

<http://code.google.com/p/gwt-google-apis>

Intec (CSGI)

Chief Architect for Mediation

Security Clearance: TS/SCI

Atlanta, GA

June 1995 to October 2007

Worked primarily on a single product, *Inter-mediate*, during my tenure. Mission critical application on High Availability Unix for domestic and international telecommunications companies.

C/Java/Perl 20+ developers

Intec (CSGI) continued:

Architect and Team leader: Responsible for team of developers, designing, reviewing, maintaining and implementing new features for the primary product and sub-products.

Support Strategist: As product grew, created docs and procedures for new support team that has grown up to handle increased support load. Modernized software lifecycle management to the company with bug tracking software, source code revision control, software release methodology for product as a push to bring CGI to higher Capability Maturity Model (CMM) level.

Other Responsibilities: Developed other sub-products related to the main product, including lights-out remote collection units (based on UNIX). Lead system installation and subsequent install/upgrade procedures, internal system administration and support. Deployed internal network services for CGI and CGI's customers - DNS, PPP, FTP, HTTPD, GATED, Web Searching, SNMP, and Firewall services for corporate network.

Georgia Tech Research Institute

Research Assistant

Atlanta, GA

June 1994 to June 1995

HyperTech: An "industrial size" hypertext system developed for the USAF.

Georgia Tech, Various:

Research Assistant

Atlanta, GA

March 1992 to June 1994

Architecture Library Slide Project: Windows Application to browse image database. Also developed multimedia, and kiosk applications.

Glyphmaker: Physics simulation and visualization tool on SGI/GL for Iris Explorer. Published in IEEE computer.

Office of Information Technology: Microsoft Mail to UNIX gateway developed on a NeXT! Involved reverse engineering through analysis. 10x performance improvement.