


AMANDA DER BEDROSIAN

Software Engineer

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 [aderbedr](#)

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SKILLS

Programming Languages & Frameworks

Expert: C#, ASP.NET

Proficient: Java, C++, JavaScript, HTML5, AngularJS, NodeJS

Competent: Python, CoffeeScript, MySQL, CSS, React

Basic Knowledge: Perl, PostgreSQL, PHP, C, Ruby

Tools

Perforce, Git, WinDbg, JAMS, SymSrv, CDB, Fiddler, Visual Studio, Wix, ProcMon,

EXPERIENCE

Software Engineer - FactSet Research Systems

January 2013 - Present

- ◆ Developed company HTTP Debug Symbol Server to concurrently catalogue symbols created by the build system as well as serve the symbols to developers.
- ◆ Co-created a training curriculum devoted to the teaching of internal C++ development.
- ◆ Created build analysis charting site to assess trends in our internal build system.
- ◆ Maintained and developed C++ extensions for WinDbg that facilitated in parsing crashes.
- ◆ Rebuilt diagnostic crash parser that concurrently processes incoming client crashes, redesigning it with a focus on maintainability and reliability.
- ◆ Built widely-used internal APIs to expose build and debugging data.
- ◆ Organized training curriculum as Department Training Head, scheduling training lectures and guiding new hires through their first few weeks at the company.

Lead Engineer - Akanbar Online RPG

March 2011 - November 2015

- ◆ Built mapping engine to build, distribute and restrict maps of game areas.
- ◆ Created internal system to permit blind players to play alongside other players without difficulty.
- ◆ Wrote an AI to play a unique mini-game against players on several difficulties.
- ◆ Programmed in a custom language as well as HTML, Java, C++, C# and JavaScript

PERSONAL PROJECTS

Stock Market Predictor via Headline Analysis

Wrote a standalone program that runs daily to scan headlines involving select companies, populating a database with word choices, then the next day determine the value of said words based on stock performance. The value of headline words rose or fell according to the stock's performance that day. This determines if it is able to predict how a stock will perform based on the day's headlines.

Treasure Hunt Generator

Wrote, from the ground up, a website that allows users create treasure hunts for any difficulty level. It is mobile-friendly and will either detect your GPS coordinates or accept keywords for unlocking further steps, reliant upon the current step's setting.

Dependency Graph Resolver

Developed a program that takes in a list of dependencies, generates a graph and determines each possible iteration of resolving order.

Magic Mirror Enhancement

Enhanced an open source smart mirror platform to include missed calls and text alerts so that the owner will be able to see and, through the phone, dismiss text messages viewed through the mirror.

EDUCATION

University of Maryland, College Park

2008 - 2012

Bachelor of Science in Computer Science
Minor in Astronomy
Related Coursework: Bioinformatic Algorithms, Design and Analysis of Computer Algorithms, Machine Learning, Human and Computer Interaction.