

Daniel Asher Resnick

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104 N Yale Ave Villa Park IL 60181

EXPERTISE

- Java, C++, C#, Perl, Python, Javascript, shell
- Functional Programming; Haskell, Scheme/Racket
- HTML, XML, ASP.NET MVC; LaTeX; SQL
- Version control; Git, Mercurial, SVN
- Linux, Windows
- Scientific Analysis; Data Gathering and Modeling

WORK EXPERIENCE

Programmer I, The Mx Group, Aug 2015 - Oct 2016
Burr Ridge, IL USA

- Helped maintain 4 websites, supporting the full stack on each: frontend javascript and markup, application logic, web and application server configurations, database definitions and access layers, and build+deploy configurations.
 - 2 ASP.NET/C#/IIS/MS SQL Server stacks
 - 2 Apache Struts 1/Java/Apache+JBoss/MySQL stacks
- Applied data updates for 3rd party tools, keeping all environments in sync
- Assisted in the upgrade of 2 servers; provisioned the servers, migrated the databases, updated build and deploy configurations, and upgraded the applications.
- Participated in agile environment, with daily scrums and task management through Kanban
- Used Git and Subversion for source control, and migrated a Subversion project to Git
- Initiated using Vagrant to wrap per project development environments in Virtual Machines.

WORK EXPERIENCE

Web Developer, University of Waterloo, Jan - April 2013

Waterloo, ON Canada

- Developed components for web service portal in C#, ASP.NET, MVC, and jQuery

Physics Research Assistant, SNOLAB, May - Aug 2012

Lively, ON Canada

- Developed C++ code for a physics simulation framework
- Developed a Monte Carlo simulation of alpha particles hitting a detector

Programming Tutor, Sheridan College, Sep - Dec 2011

Brampton, ON Canada

- Tutored students in introductory Programming and Computing Mathematics
- Assisted instructors in delivering lecture material for an introductory Java course

Software Developer, Tradertools, July - Aug 2005

Israel

- Developed a graphical test harness for a Java API front end to the trading system

EDUCATION

Coursework towards Bachelor of Mathematics

University of Waterloo, 2010 - 2014

High School Graduate

American School of Recife, June 2010

ACTIVITIES AND INTERESTS

- Math and Physics
- Science Fiction and Fantasy (novels, TV shows, and movies)
- Roleplaying Games and Board Games
- Skiing, Biking and Piano