Chance Miller

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SELF
Jan 2018 - Present

Developer/Entrepreneur, Caretaker
Developed and released online board game. Developing and filming video game involving live actors. Developing biotech software in collaboration with a bio-physicist to automate cell classification through image recognition, geometry, and statistics. Mostly on hold due to family illness.

GOOGLE
Apr 2015 - Dec 2017

Software Engineer, Tools and Infrastructure 2
Developed regression and comparison analysis tools using Python, C++, and Google-specific tech to gather statistics and ensure quality results for individual airlines. Analyzed tens of thousands of daily production queries from Google Flights' QPX and Availability engines. Deployed and maintained infrastructure for said tools.

PEGASYSTEMS
May 2013 - Apr 2015

Software Development Engineer 3
Designed and developed process management tools for Pega's enterprise platform using a combination of Java, Javascript, HTML, and Pega proprietary components. Communicated with customers to develop and deploy hotfixes for urgent issues.

MICROSOFT
Aug 2011 - Apr 2013

Software Development Engineer
Maintained and developed a testing harness in C++/C# used by Microsoft's Office division. Collaborated with testers to determine needed improvements.

INTEL
May 2010 - Aug 2010

Software Engineering Intern
Designed and developed an internal C#/ASP.NET application to keep track of silicon inventory, manage wafer route requirements, and generate orders for more materials. Trained teams of workers to use the new software.

MITRE
May 2009 - Aug 2009

Software Engineering Co-Op
Developed comprehensive XML Schemas for the integration of multiple formerly incompatible military communications standards.

FOOD MOOCHER
Jun 2008 - May 2009

Developer/Entrepreneur
Designed and developed a social website for local users to share free food events.

EDUCATION

Worcester Polytechnic Institute (WPI)   Aug 2007 - May 2011
Bachelor of Science Computer Science
Related Coursework: Discrete Math, Algorithms, Assembler, Webware, Operating Systems, Human-Computer Interactions, Distributed Computing, Databases, Object Oriented Analysis & Design, Data Mining, Linear Algebra
Misc: Go Club Treasurer, Ballroom Dance

Major Qualifying Project: Submission System   Aug 2010 - May 2011
Designed and developed a project submission system to check students' work with unit tests or other metrics, as part of a suite of student-developed applications.

Linguistics Project at Hong Kong PolyU   Jan 2010 - Mar 2010
Designed and developed a program to perform comparative move-based linguistic analysis on Hong Kong and United States corporate governance reports.

TECHNOLOGIES

Java, C++, C, Ruby, Python, Javascript, PHP, JSP, CSS, XML, HTML, Javascript, AJAX, PostgreSQL, MySQL, MSSQL, C#, LINQ, ASP.NET, LaTeX, git