

# Chance Miller

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- VAMILLA** **Developer/Entrepreneur**  
Jan 2018 - Present  
Developing biotech software in collaboration with a bio-physicist to automate cell classification through image recognition, geometry, and statistics to reduce months of labor to hours of analysis.
- MISC.BEEF** **Developer/Entrepreneur**  
Jan 2018 - Present  
Launched online board game. Working on a beat-'em-up game featuring live actors.
- GOOGLE** **Software Engineer, Tools and Infrastructure 2**  
Apr 2015 - Dec 2017  
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** **Software Development Engineer 3**  
May 2013 - Apr 2015  
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** **Software Development Engineer**  
Aug 2011 - Apr 2013  
Maintained and developed a testing harness in C++/C# used by Microsoft's Office division. Collaborated with testers to determine needed improvements.
- INTEL** **Software Engineering Intern**  
May 2010 - Aug 2010  
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** **Software Engineering Co-Op**  
May 2009 - Aug 2009  
Developed comprehensive XML Schemas for the integration of multiple formerly incompatible military communications standards.
- FOOD MOOCHER** **Developer/Entrepreneur**  
Jun 2008 - May 2009  
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, L<sup>A</sup>T<sub>E</sub>X, git