# Alexandra Forsythe Volpert

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**RELEVANT SKILLS**

*Languages:* SQL, Ruby, Python, R, Html/CSS, Sass, JavaScript ES6, TypeScript, C Sharp
*Libraries/Frameworks:* MySQL, MongoDB, Rspec, Selenium, Pandas, Flask, Vue.js, ServiceStack, ASP.Net Core, Bootstrap4, Apache Subversion, Git
*Tools:* Adobe Creative Suite (InDesign, Illustrator, and Photoshop), Sketch, Figma, Principle

**EXPERIENCE**

*UX/UI and Software Engineer* — April 2016 - Present
Freelance, Atlanta, GA
- Developing a new product for a Seattle startup that provides country specific redirection metrics for intelligent links using Figma, ServiceStack, MongoDB, Vue.js and Bootstrap4
- Empowered a life coach and dog daycare to expand their business by designing the user experience, interface and branding assets for their web presence using Sketch and Principle
- Consulted with a retail experience firm to design and develop a working prototype for their data analysis and visualization application using Figma, Pandas and Bokeh

*Software Engineer* — March 2015 to April 2016
Picwell, Philadelphia, PA
- Developed Flask API and accompanying testing infrastructure
- Reduced time to deployment by automating the Analytics team's statistical model update process
- Automated and managed Pandas ETL framework across two development teams
- Streamlined error monitoring and production deployments for the DevOps team using Sentry

*Software Engineer in Test* — November 2013 to March 2015
Opower Engineering, Arlington, VA
- Designed, executed and managed Rspec and Selenium testing frameworks for batch jobs, web services, and web applications
- Designed testing infrastructure and technical specifications for Customer Engagement Loyalty platform on the R&D engineering team
- Led knowledge transfer to other teams by managing documentation, giving presentations, and triaging bugs or feature requests

*Implementation Engineer* — October 2012 to November 2013
Opower Client Services and Operations, Arlington, VA
- Developed and maintained Ruby libraries for Technical Operations team
- Improved operational efficiency on the technical operations team by working to automate the client launch process with Ruby and MySQL
- Led onboarding training, code reviews and study sessions for junior team members

*Client Technical Specialist*                                    July 2011 to October 2012
IBM Systems and Technology Group, Bethesda, MD

- Collaborated with client IT teams to define performance requirements, collect data about their current workload, and construct infrastructure roadmaps

- Configured operating system, set up network connections and partitioned system resources for IBM Unix servers

**EDUCATION**     *Bachelor of Science*, Mathematical Biology                          May 2011
The College of William and Mary
Second Major: Literary and Cultural Studies
Honors Thesis in Literary and Cultural Studies: *Living in a History Museum: A Graphic Novel*
Senior Thesis in Mathematical Biology: *Modeling Freshwater Aquatic Systems with Non-Autonomous Differential Equations*

**AWARDS**      Peach Dish Artist Spotlight, 2017
Hodgepodge Artist Vendor, 2017
Knowledge Management Lead for Implementation Engineering, 2013
Awarded Summer Research Grant by the Committee on Sustainability, 2010
Awarded Charles Center BioMath Summer Fellowship, 2010
National Science Foundation Summer REU Program, 2009