

# Sam Fahlberg

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Email: [sam.fahlberg@gmail.com](mailto:sam.fahlberg@gmail.com) | GitHub: [sfahlberg](https://github.com/sfahlberg) | Lives in San Francisco, CA

## Technologies and Languages

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Ruby, Rails, JavaScript, React, Redux, Elasticsearch, Docker, PHP, MongoDB, SQL, GraphQL

## Experience

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	Position	Organization	Achievements
June 2016 to present	<b>Full Stack Engineer</b>	<b>BrightBytes</b> San Francisco, CA	<p>Created on my own a new frontend application in React/Redux for managing what online tools schools have purchased so administrators can make buy/no-buy decisions, while building out the backend service written in Elixir</p> <p>Built out a new React/Redux app and the Rails models and controllers for a feature allowing district administrators to manage groupings of schools for improved data visualization</p> <p>Wrote unit and feature tests for all new features and for bug fixes</p> <p>Initiated a technical book club that met monthly and organized a monthly lunch-n-learn for increasing knowledge sharing in engineering</p>
April 2015 to June 2016	<b>Software Engineer</b>	<b>Education.com</b> San Mateo, CA	<p>Worked in an agile environment for an education technology startup across frontend, backend, and devops</p> <p>Transitioned site to Elasticsearch from Sphinx</p> <p>Developed reports querying MongoDB and MySQL</p> <p>Implemented AB tests using Optimizely and an internal testing tool</p>
August 2011 to August 2014	<b>Research Analyst</b>	<b>International Monetary Fund</b> Washington, D.C.	<p>Acted as data scientist for African countries, writing code in Stata and MATLAB for economic research and analysis; coded in VBA for a 4x increase in productivity</p> <p>Managed and updated SQL databases for five African countries. Was selected to travel to three African countries as the expert to manage the database software</p>

## Personal Project

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Link	Description
<a href="https://github.com/sfahlberg/rebalancer">github.com/sfahlberg/rebalancer</a>	Crawls Vanguard.com, parses CSVs to determine what the user should buy or sell to rebalance the user's portfolio, developed using TDD

## Education

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2006 to 2010	<b>High Honors BS Finance</b>	University of Illinois at Urbana-Champaign
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Activities: trumpet in jazz quartet, cyclist, mandolin, backpacker  
Fluent in French  
Eagle Scout Award