

Sarah Fleming

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GitHub - <https://github.com/sajafleming> | Personal Site - <http://www.sajafleming.com/>

PROFESSIONAL EXPERIENCE

Software Engineer

Aug 2017 – present

BTIG - San Francisco, CA

- Developer on Order Management System (OMS) for internal and external users
- Created automated integration testing across all environments for OMS
- Introduced Slack notifications for alerts, maintenance jobs, and automated tests using the Slack API
- Maintaining infrastructure for QA, test, and production environments of OMS
- Working with administrators of OMS to understand businesses requirements and guide feature development
- Using C#, .NET, Redis, git, SQL, Javascript, jQuery, Visual Studio 2017

Developer - Data Team

Nov 2016 – July 2017

ClubReady - remote

- Developed new data reports and added them to the website with C#, Javascript, and ReportViewerForMVC
- Optimized queries for reports and set up large reports to be emailed from the backend
- Fixed bugs throughout entire website and converted classic ASP pages to .NET MVC with C#
- Used C#, .NET, SQL, SSRS, Javascript, jQuery, CSS, git, Visual Studio 2017

Actuarial Analyst

Feb 2015 – Feb 2016

Segal Consulting - San Francisco, CA

- Calculated liabilities and forecasted future expenses for clients' retiree health plans and pensions
- Analyzed and visualized client data for an annual report
- Performed actuarial valuations using proprietary software
- Used Excel, Access, VBA, SQL and Fortran

EDUCATION

Software Engineer Fellowship

June 2016

Hackbright Academy - San Francisco, CA

Completed intensive 12-week fellowship covering topics including Python, Javascript, SQL, and computer science fundamentals.

Bachelor of Science, Mathematics

June 2014

University of Missouri - Columbia, MO

Emphasis in Actuarial Science and Mathematical Finance

PROJECTS

Sunset Funset - <http://www.sunsetfunset.com/>

Sunset Funset uses **topographic data** from the USGS to find **sunset viewing locations**. Optimal locations within a user specified area and search radius are determined by finding **local maxima**, filtering them according to potential sunset visibility, **ranking** them using a variety of scores, and returning the final points plotted on a **Google Map** with corresponding pictures from the **Flickr API**. The project is deployed and stores data on **AWS**.
Technologies used: Python (osgeo, scipy, numpy), Javascript, Flask, SQLAlchemy, Google Maps API, Flickr API
AWS EC2 Instance, AWS S3 bucket, Bootstrap, HTML, CSS (<https://github.com/sajafleming/Sunset-Funset>)

TECHNOLOGIES

Languages | C#, Python, SQL, JavaScript (AJAX, JSON), HTML, CSS

Frameworks/Libraries | .NET, .NET Core, Flask, SQLAlchemy, jQuery, Bootstrap, Jinja

Database/Industry Tools | Redis, SSRS, AWS, PostgreSQL, Git

Tools/Software | Microsoft Excel, Access, Photoshop