

## Colleen Mary Stock

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**Summary** Quality driven software engineer, looking to create sustainable, flexible code

**Education** University of Maryland, College Park, MD  
Masters of Science in Applied Mathematics December 2015  
GPA: 3.610/4.0

Saint Francis University, Loretto, PA  
Bachelors of Science in Computer Science and Mathematics May 2012  
GPA: 3.897/4.0

**Skills** Programming Languages: Python, Java, JavaScript, MATLAB  
Frameworks: Django, Django REST Framework, React  
Mathematics: Numerical analysis and methods

**Experience** *Simons Foundation, Software Engineer* January 2016 - Present  
Experience working with Django, Django REST Framework, Python, and JavaScript to create a new grant management system, which will be used internally at the Foundation as well as by external users to request Foundation resources  
Refactor code to make it as abstract and generic as possible to improve code overall  
Provide expert opinion to clients on how the project should proceed and what technologies should be used  
Explained technical details and decisions to clients to facilitate understanding of the project

Worked with Salesforce/Apex to create custom new hire suite for easier onboarding process for both the new hires and the HR department  
Ran the project from start to finish, interacting with the HR department to gather requirements, got constant feedback during the development process, maintained the suite, and added new features as needed

*Simons Foundation, Scrum Master* October 2017 - Present  
Helped to design sprint cadence that would best benefit the scrum team  
Guided Sprint Planning, Sprint Retro, and Backlog Grooming meetings so that user stories could be discussed and written, made sure requirements were clear, and continually revamp scrum process

*University of Maryland, Graduate Student Researcher* May 2013 - December 2015  
Investigated problems in hydrodynamics such as gravity-capillary waves, droplets freezing on impact, and antibubbles  
Created simulations using C++ and MATLAB when appropriate

*University of Maryland, Teaching Assistant* August 2012 - December 2015  
Taught Calculus I and II by running discussion sections for students which reinforced concepts learned in class. Administered worksheets as well as designed and gave quizzes. Proctored exams. Received excellent teaching evaluations