Colleen Mary Stock

2 Washington Square Village, Apt 16i, New York, NY 10012
412.735.4866
colleen.stock.33@gmail.com
LinkedIn: /colleen.stock.33 Github: /colleencodes

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

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
- Project Vesta
  - Utilizes Django, Django REST Framework, Python, and JavaScript to create a grant management system, which will allow external users to request Foundation resources and will be the system by which internal users process those requests
  - Help create a custom permissioning system that works down to a field level in Django
  - Create generic code that can be used on most endpoints for views and serializers; improve and reduce overall code
  - Explain technical details and decisions to clients to facilitate understanding of the project, as well as provided expert opinion on how the project should proceed
- New Hire Suite
  - In charge of a project to create custom new hire suite that eased the onboarding process for both new hires and the HR department. Used Salesforce/Apex to create the suite. Incorporated HR requirements and feedback during development and continued to maintain suite and add features as needed.
- Event Management System
  - Worked with Event Planning Group to choose an event registration software to improve their old process of using Excel sheets; set up the system 2016 and helped to address issues during its usage; taught them how to set up a registration process on their own in 2017

Simons Foundation, Scrum Master   October 2017 - Present
- Help design sprint cadence that would best benefit the scrum team
- Guide Sprint Planning, Sprint Retro, and Backlog Grooming meetings so user stories could be discussed and written, ensure requirements are clear, and continually revamp the 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

Education University of Maryland, College Park, MD   December 2015
Masters of Science in Applied Mathematics

Saint Francis University, Loretto, PA   May 2012
Bachelors of Science in Computer Science and Mathematics