

Siqi (Sally) Guo

linkedin.com/in/sally-siqi-guo/ | sallysiqiguo.github.io
siqi.guo@capitalone.com | (412)539-7287

EDUCATION

CARNEGIE MELLON UNIVERSITY | B.S. IN STATISTICS AND MACHINE LEARNING

May 2018 | Pittsburgh, PA | GPA: 3.5/4.0 | University Honors

Minor in Business Administration | Science and Humanities Scholar | Dean's List

RELEVANT COURSEWORK

Intro to Machine Learning | Natural Language Processing | Data Structures and Algorithms | Advanced Data Analysis

Principles of Imperative Computing | Statistical Computing | Statistical Visualization | Modern Regression

EXPERIENCE

CAPITAL ONE | ASSOCIATE SOFTWARE ENGINEER

Feb 2019 – Current | McLean, VA

CAPITAL ONE | ASSOCIATE SOFTWARE ENGINEER IN TRAINING (CODA)

Jul 2018 – Feb 2019 | McLean, VA

- Participate in a 6-month software-engineering immersive training on:
 - Front-end web development: HTML, CSS, JavaScript, React, Angular
 - Back-end development: Node, Express, MongoDB, PostgreSQL
 - AppSec, testing, and DevOps: OWASP Top 10; Mocha, Chai, Jasmine; AWS, Docker
- Created Radar, a Continuous Professional Education (CPE) credit tracker for Capital One's internal AppSec certificate, on an Agile team of 5 using a MERN stack.

THE BANK OF NEW YORK MELLON | TECHNOLOGY SUMMER ANALYST

Jun 2017 – Aug 2017 | Pittsburgh, PA

- Full Stack Developer on the Third Party Governance Application under the Finance Technology Department
- Incorporated front-end and back-end changes on the application by integrating client needs and feedback
- Analyzed team performance with JIRA data using R

CARNEGIE MELLON UNIVERSITY | TEACHING ASSISTANT

Sep 2016 – May 2018 | Pittsburgh, PA

- Teaching Assistant for **Introduction to Statistical Visualization** Spring 2018
- Teaching Assistant for **Introduction to Probability Theory** Fall 2016, Fall 2017

RESEARCH PROJECTS

DIFFERENTIATING STARS AND GALAXIES IN SDSS AND WISE DATA

Sep 2015 – Dec 2015 | Advisor: Peter Freeman

Identify portions of brightness-space where the probability that an object is a star is substantially higher than the mean probability using a regression model using regression trees and random forests in R.

CMU FRESHMAN ROOMMATE EXPERIENCE SURVEY

Jan 2017 – May 2017 | Advisor: Jared Murray

Conducted an in-person survey in freshmen dorms and constructed a regression model in R in order to learn which variables impact freshmen roommate relationships the most, and measure the effectiveness of random roommate assignment algorithm.

TECHNICAL SKILLS

Proficient:

R • Python • JavaScript • HTML • CSS • Node • Express • React • Angular 6 • PostgreSQL • MongoDB

Familiar:

SQL • \LaTeX • C • Mathematica

LEADERSHIP AND HONORS

Japanese Student Association: Fundraising Chair

Alpha Chi Omega - Kappa Nu: VP Panhellenic Delegate

Order of Omega Greek Honor Society

Omega Rho Honor Society in Operations Research:

Co-Founder, VP of Operations