Sarah Rittgers

3817 Spruce Street MB 281, Philadelphia, PA 19104 • (862) 520-8784 • rittgers@seas.upenn.edu

Education

University of Pennsylvania   Philadelphia, PA
- **Bachelor of Applied Science**, Computer Science, September 2017 - May 2019
- **Minor:** Mathematics, Data Science
- **Cumulative/Major GPA:** 3.89/4.0
- **Honors:** Dean's List 2017-2018
- **Activities:** Alpha Phi Omega Service Fraternity (Technology Committee), Moelis Access Science Tutoring

Middlebury College   Middlebury, VT
- **Bachelor of Arts Candidate**, Computer Science, September 2015 – May 2017
- **GPA:** 3.94/4.0

Work Experience

University of Pennsylvania   Philadelphia, PA
Teaching Assistant, CIS350 Software Design & Engineering (January 2019 – Present)
- Upper-level course of 200 students taught in Java and Android
- Responsible for answering questions, holding weekly office hours, and grading assignments

LendingHome   San Francisco, CA
Software Engineering Intern (May 2018 – February 2019)
- Full-stack work primarily in Ruby on Rails, Python, and Flask
- Participated in thorough design reviews and daily standups. Worked on feature and product support tickets

The Tutoring Center, University of Pennsylvania   Philadelphia, PA
Tutor (January 2018 – December 2018)
- Worked with students struggling in MATH 240 (Linear Algebra & Differential Equations), MATH 312 (Linear Algebra) and STAT 430 (Probability) to improve problem-solving skills and master course concepts

Mathnasium   Livingston, NJ
Computer Science Intern (May 2016 – May 2018)
- Developed in Delphi using RAD Studio and TMS Planner to create staff weekly scheduler

Projects

SAWL (Suspicious Actors Watch List) (May 2018 – February 2019)
- Built for LendingHome's compliance team to detect fraud in loans and prevent future fraudulent activity
- Created a server running on an AWS Lambda instance using Python, Flask, and Zappa
- Produced two views implemented with React and Redux along with new backend infrastructure in Ruby on Rails

StudyConnect (December 2018)
- Mobile application done in Swift and Firebase
- Developed to facilitate discussion on campus through joining study groups and posting questions in a forum

PennBook (November 2018 – December 2018)
- Website built using Node.js, React, Express, and DynamoDB
- Replicated Facebook's functionalities such as: newsfeed, profiles, wall posting, two-way and group messaging

Penn Lost and Found (February 2018 – May 2018)
- Mobile app created using Android Studio and Firebase allowing students to post lost or found items on campus

Languages and Technologies

- **Proficient:** Java, Ruby on Rails, Python, Git, HTML, CSS, JavaScript
- **Familiar:** SQL, React, Redux, AWS Lambda, Express, Flask, C, Android Studio, Firebase
- **Websites:** https://github.com/sarahrittgers26, www.linkedin.com/in/sarah-rittgers, www.sarahrittgers.com