3817 Spruce Street MB 281
Philadelphia, PA 19104
(862) 520-8784

Sarah Rittgers

rittgers@seas.upenn.edu

sarahrittgers.com
github.com/sarahrittgers26
linkedin.com/in/sarah-rittgers

Education

University of Pennsylvania Philadelphia, PA

- **Bachelor of Applied Science**, Computer Science, August 2017 - May 2019
- **Minors:** 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
- **Honors:** College Scholar; Paul W. Ward '25 Memorial Writing Prize Honorable Mention

Work Experience

University of Pennsylvania Philadelphia, PA

Teaching Assistant, CIS350 Software Design & Engineering (January 2019 – Present)

- Upper-level undergraduate course of 200 students taught in Java and Android
- Responsible for answering student questions, holding weekly office hours, and grading assignments

LendingHome San Francisco, CA

Software Engineering Intern (May 2018 – January 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 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
- Designed views implemented with React and Redux along with new backend infrastructure in Ruby on Rails

StudyConnect (December 2018)

- Mobile application created with 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, JavaScript, HTML, CSS,
- **Familiar:** SQL, React, Redux, Swift, Node.js, Express, Flask, C, Android, AWS (Lambda, DynamoDB)