

Margaret Arnold

13.arnoldm@gmail.com | 719.313.3336
www.linkedin.com/in/margaretarnold
Java | Python | Kafka | Spark | ReactJS

EDUCATION

UNIVERSITY AT BUFFALO, STATE UNIVERSITY OF NEW YORK

BS COMPUTER SCIENCE | BA MATHEMATICS

May 2017 | GPA 3.7

EXPERIENCE

TWILIO | SENIOR SOFTWARE ENGINEER, FLEX DATA PIPELINES

June 2020 - Present

- Collaborated with team members to design and develop Kafka infrastructure and tooling for Twilio Flex
- Contributed to blueprints outlining the design of the Flex Data Pipelines ecosystem and proposed services
- Spearheaded and organized an effort to gather feedback from all teams in Flex regarding their Kafka experience at Twilio
- Mentored and managed the team's 2021 summer intern and her project for Kafka self service topic creation
- Led the "Flex Data Views" service in charge of making real time updates to Twilio's internal document store as a part of the Flex Aion Pilot Initiative

BLOOMBERG L.P. | SOFTWARE ENGINEER, MORTGAGES AND STRUCTURED PRODUCTS

June 2017 - May 2020

- Maintained infrastructure for an internal QC and data pipelining platform built on Apache Spark used internally by both engineers and product
- Designed and developed "Dataflows", a data pipeline represented by a DAG allowing users to easily plug and play pieces of code to run distributed Spark jobs
- Self-taught ReactJS as the sole developer of a web app for creating, submitting, and managing Dataflows
- Supported and assisted new users in becoming self sufficient in the creation and modification of jobs on the platform

UNIVERSITY AT BUFFALO | TEACHING ASSISTANT, ALGORITHMS & INTRO TO CS

August 2014 - December 2016

- Taught algorithm ideas and common CS proof concepts to recitations of 20-30 students each
- Conducted office hours to assist students outside of the classroom
- Created a teaching plan for myself and other TAs to use for the weekly recitations

LEADERSHIP

BLOOMBERG CAMPUS RECRUITING | CAPTAIN

January 2018 - May 2020

- Lead recruiting efforts such as career fairs, hackathons, and network events at University at Buffalo and Rutgers University
- Screened resumes, conducted technical interviews and managed on-campus recruiting events
- Mentored other engineers in assisting with on campus events and the campus hire interview process at Bloomberg

UB HACKING | DIRECTOR

May 2016 - November 2016

- Managed a group of seven team coordinators, including website design, sponsorship, marketing, and venue in preparation for UBHacking 2016
- Lead meetings, assisted team coordinators in creating goals and deadlines, and planned a budget
- Successfully brought over 400 hackers to University at Buffalo, including the first hackers from outside universities

ASSOCIATION FOR COMPUTING MACHINERY | PRESIDENT

May 2015 - May 2016

- Lead a team of four in holding weekly meetings, hosting technical workshops, planning group events, and working with companies to coordinate recruiting events
- Interfaced with club members to create an inclusive and welcoming community for 30 active members