Abby Krishnan

214-536-1996
abbykrishnan@utexas.edu
abbykrish.github.io
linkedin.com/in/abbykrish

Education   Expected Graduation – May 2021
University of Texas at Austin – Austin, TX
BS in Computer Science. GPA: 3.76

Bridging Disciplines Certificate in Public Policy and Applied Statistical Modeling Certificate

Coursework: Operating Systems, Virtualization, Mobile iOS Development, Natural Language Processing

Experience
Affirm – San Francisco, CA
Software Engineering Intern   May 2020 – August 2020

- Intern on Financial Instruments team
- Built a new workflow to automate reimbursements by check
- Used ETL pipelines in Python using **Apache Spark**, and the **Luigi** framework for task scheduling,
- Worked across teams to integrate JPM check service across Kotlin and Python codebases using **RPC calls**

Facebook – Menlo Park, CA
Software Engineering Intern   May 2019 – August 2019

- Intern working on the Civic Integrity team, specializing in Authenticity
- Built a full-stack, interactive web application **in ReactJS, Relay/GraphQL, and Hack** for proactive civic harm reduction on the platform.
- Added and optimized data pipelines in **PrestoSQL** for additional and more accurate civic metrics
- Worked closely with engineers, designers, and data scientists to conduct research on user needs

HomeAway – Austin, TX
Software Engineering Intern   May 2018 – August 2018

- Enhanced the type-ahead on product search pages with **A/B testing** via a new sorting framework
- Application consumed data from a **Kafka** topic that was filtered and written to a **Cassandra** database.
- Created **Elasticsearch** compatible JSON with location popularity using a SparkSQL data migrations.

Booster Fuels – Dallas, TX
Data Analytics Intern   June 2016 – August 2016 and June 2017 – August 2017

- Projects included writing **SQL** queries for data visualization models in customer retention analysis, cohort analysis, efficiency calculations, and predictive growth tools.

Skills

Experienced in Java, Python (Pandas, NumPy, PyTorch) SQL (Postgres, Spark, Presto), and Swift Experienced with Git, ReactJS, Relay/GraphQL

Familiar with technologies Mercurial, Kafka, MySQL, Cassandra

Projects
- LXD – *contributed to the largest Linux open-source container manager by solving open issues on Github*
- FlowChart – *mobile app for period-tracking written in iOS with user functionality and networking*

Honors and Activities
- Texas Civic Tech Project – *Co-founder of organization that promotes civics and service via technology*
- UT Systems and Storage Lab – *Research assistant working in the intersection of privacy law and systems*
- Department of Computer Science Pod Mentor – *Lead a weekly seminar for first-year CS students.*
- TX Votes – *register voters and organize voter education events. 100+ voters registered for last 2 years.*
- Speech and Debate – *Placed top 6 in the nation at the NSDA Tournament in Congressional Debate*