

Abby Krishnan

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Education

Expected Graduation – May 2021

University of Texas at Austin – Austin, TX

BS in Computer Science GPA: 3.7

Relevant Coursework: Data Structures, Computer Architecture, Intro to Computational Bio, Operating Systems

Pursuing a certificate in public policy and a certificate in statistical modeling

Skills

Experienced in Java, Familiar with SQL (Postgres and Spark), Python (Pandas, NumPy), HTML/CSS

Familiar with technologies like Kafka, Cassandra, Git, Maven, Dropwizard, DataDog, Periscope Data

Experience

HomeAway – Austin, TX

Software Engineering Intern

May 2018 – August 2018

- Enhanced the type-ahead feature on product search pages by building a Dropwizard Java application to create alternate sorts on locations for type-ahead.
- Set up an A/B test to evaluate the different sorts.
- 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.

Department of Computer Science – Austin, TX

Pod Mentor

August 2018 – present

- Lead a weekly seminar for Freshman computer science students to introduce them to UTCS.
- Coordinate educational and social activities for students that prepare them for classes and recruitment.

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.

Projects

- Parliamentary Procedure Precedence Chart – Java GUI application with tabulation, timing, scorekeeping for use in Congressional Debate rounds.
- Voyage – a web application built in HTML/CSS with back-end implemented using Flask
- Texas Education Data Analysis – created data visualizations on Texas public schools to find trends and projections at Hack for Good at UT Austin
- Newsy – automates scraping of most popular news articles from multiple outlets for a given day

Honors and Activities

- TAMUHack 2018 – General Motors Core Value Award for Web Application Voyage
- Columnist at the Daily Texan – opinion writer for premier student newspaper on campus
- TX Votes Member – active member of civic engagement organization on campus
- UT Women in Computer Science – member
- Speech and Debate – Placed top 6 in the nation at the NSDA Tournament in Congressional Debate