

Paul Sathuluri

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Education

The University of Texas at Austin

B.S. IN COMPUTER SCIENCE

GPA: 3.72

Aug 2017 - May 2021

- Minor/Certificates: Business Minor, Japanese Language Certificate, Applied Statistical Modeling Certificate
- Relevant Coursework: Data Structures, Discrete Mathematics, Linear Algebra, Statistical Learning, Computer Architecture, Operating Systems, Algorithms & Complexity, Computer Networks, Software Engineering, and Cloud Computing

Skills

Programming Languages: Proficient in Java, Python, C. Familiar with JavaScript, R, x86, SQL.

Technologies/Frameworks: AWS, GCP, Kubernetes, React, Selenium, Mocha, Chai, MongoDB, Stitch

Work Experience

Amazon

Seattle, WA - Virtual

SOFTWARE DEVELOPMENT ENGINEER INTERN | STRX Team

Jun 2020 - August 2020

- Created Whitelisting/Blacklisting tool for use by Product and Vendor Managers to run experiments on unprofitable product ASINs
- Developed Lambda functions with Serverless Application Model to conduct whitelist/blacklist operations on DynamoDB records
- Developed Frontend UI with authentication to interact with the system via Upload/Download of lists of ASINs to S3.
- Relevant Technologies: Java, Lambda, DynamoDB, S3, React, AWS Serverless Application Model, Cloudfront, API Gateway

Projects

Waitlist of Lucidity

Chrome Extension

REACT, MONGODB

HackTX 2019

- Created [Chrome Extension](#) and [Website](#) to crowdsource and display waitlist size data from UT students with the goal of promoting transparency during class registration
- Currently working to merge functionality into the open source [UT Registration Plus](#) Chrome Extension to gain a wider user base

Pathogerm

Website (No longer hosted)

REACT, DJANGO, POSTGRESQL, MOCHA, SELENIUM

2020

- Developed website with team of 5 to provide information and visualizations on diseases across countries and over time. Created RESTful API with sorting and filtering functionalities to provide data scraped from WHO, GBD, and World Bank.

Pintos Projects

OS

C

2019

- Expanded functionalities the Pintos toy OS to include priority scheduling of threads, argument passing via stack, user-program system calls, virtual memory, and multi-level indexed file system

Extracurricular Activity

Convergent: Technical and Business Entrepreneurship Organization

MEMBER

2018 - 2019

- Accessibility Build Team (2019) – Web App MVP for connecting volunteers to people with disabilities. MERN Stack (MongoDB, Express, React, NodeJS)
- NLP Build Team (2018) – Explored AWS Lambda functions for student-government sponsored mobile app

ACM: Association for Computing Machinery

MEMBER

2017 - Present

- Attended Industry Tech Talks and Biweekly Programming Competitions

ISSS: Information & Systems Security Society

MEMBER

2017, 2019 - Present

- Attended Security Workshops and Capture the Flag Competitions

UT Austin Fencing Club

MEMBER

2019 - Present

- Épée fencer for UT Austin's club team. Competed against other Texas college fencing clubs at regional tournaments