

Harsha Srikara

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Education

University of Texas at Dallas

Bachelor of Science in **Computer Science**

Honors: Academic Excellence Scholar, Deans List, Phi Kappa Phi

May 2022

GPA: 3.91/4.0

Professional Experience

Software Development Engineer Intern, Amazon

Jun 2021 – Aug 2021

- Developed **end-to-end linux** utility service to access **real-time** state machine information from Echo On-Device services used by **500+ engineers** across **40+ applications**
- Completed series of design and system architecture reviews while working in an **agile environment**
- Worked with **C++**, **bash**, custom inter-process **communication protocols** and extensive internal tooling

Software Engineer, Brainspace, A Reveal Company

Jun 2019 – May 2021

- Designed full end-to-end automated testing suites using **Selenium, Jenkins, Java, PostgreSQL, TestNG** and **Gradle**
- Added machine learning validation pipelines that perform data ingestion, processing and data visualization using **Logstash, Elasticsearch** and **Kibana** which resulted in **25%** increased test coverage
- Developed workflows to **containerize** application development using **Docker** and deployment with **AWS Fargate**
- Worked in an agile environment with various cross-team collaboration tools including **JIRA, Github** and **Confluence**

Research Intern, Filbey Research Lab | Center for Brain Health

Jan 2019 – Jun 2019

- Designed machine learning models with **Python, Tensorflow** and **Anaconda** to predict marijuana addiction levels
- Created scripts in **C++** and **R** to handle real-time processing of neural activity to project trendlines in stress levels

Projects

Membership Portal (GCP, Sendgrid, Cloudflare Access, Kubernetes)

Jan 2021 – present

- Provides membership services including program application, event registration and profiling to **950+ students**
- Integrated **multiple identity providers** to provide **single sign-on**, tiered **permission levels** and an **admin console**
- Supported additional services including **email support**, direct to **user notifications**, and **discord integration**

TrackIT (Typescript, React, Auth0, Material-UI, Jest and Firebase)

Mar 2020 – Dec 2020

- **Real-time** tracking system for event management with advanced metric collection and **data visualization** support
- Hosted **30+ workshops** and partnered with **10+ organizations** over a period of **4 months** to impact **1500+ students**

Organizations

Director of Development, Association for Computing Machinery

Apr 2020 – May 2021

- Led **6 teams** of **2-5 developers** to build projects that support student growth and success
- Directed ACM Hacktoberfest, North America's largest open-source student-run meetup with **400+ students**
- **2x** ACM Tapia Conference Scholar

Technical Lead, HackUTD

Apr 2019 – Apr 2020

- Organized flagship hackathon of North Texas with **700+ attendees** and engaged annual audience of **2000+ students**
- Supervised team of **5 developers and designers** to build dynamic registration and applicant management systems
- **2x** Hackcon International **Conference Speaker** & 3x Hackcon Attendee

Honors

Student Leader, Postman

Apr 2021

- Promote API literacy through workshops, summits and hackathons for audiences across North America

North America Campus Ambassador, nwPlus, nwHacks, Cmd-F

Nov 2020

- Empowered the growth of the **3000+** member community by hosting hackathons and technical workshops