

# Harsha Srikara

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## Education

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### 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

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### 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**, **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**
- 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

- Created machine learning models with **Python**, **Tensorflow** and **Anaconda** to predict marijuana addiction levels
- Created scripts in **C++** and **R** to handle real-time pre-processing of brain activity data
- Analyzed data on anatomical neural activity to project trendlines and identify patterns in stress levels

## Projects

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### 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

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### 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

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### 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