

**OBJECTIVE**

Seeking an early career software engineering position. Some of my fields of interest are AR/VR, AI/ML and application development

**EDUCATION****University of Texas at Austin (UT)**

expected May 2023

Bachelor of Science in Computer Science, Certificate in Applied Statistical Modeling

Overall GPA: 3.75 Major GPA: 3.52

**Relevant coursework at UT**

CS: Computer Programming, Data Structures, Computer Architecture, Operating Systems, Debugging & Verifying Programs, Algorithms & Complexity, Software Engineering, Artificial Intelligence, Intro to ML. *In progress*: NLP, iOS, Competitive Prog

Math/Stats: Discrete Math, Linear Algebra, Statistics and Probability, Data Analysis, Regression and R, Data science

**The Oakridge School, Arlington, Texas**

May 2019

High School Diploma, Valedictorian

Overall GPA: 4.0

**EXPERIENCE**

- Software Engineer Intern at **Snap Inc.** Content Moderation & Tools team May - Aug 2022
  - Integrated the Guard authorization service with the *Storyteller* tool at Snap Inc. Guard is the RBAC solution used by all internal tools at Snap, and *Storyteller* is a one stop tool to monitor all public stories on Discover and Spotlight (4th and 5th) tabs of Snapchat
  - Worked with React on the frontend, Golang and gRPC on backend, and used Kubernetes and Docker for deployments
  - Initialized the Guard client in the auth-sidecar Docker container and configured the backend service to forward all requests to it for user authorization via gRPC. These containers live within a Pod in a Kubernetes cluster which is how *Storyteller* is deployed on Snap's service mesh
- Software Engineer Intern at **The Home Depot** IT Finance SRE team May - Aug 2021
  - Member of scrum team involved in building and deploying a full-stack application for the Site Reliability Engineering (SRE) team in two-week sprints
  - Hands-on experience with different technologies such as Angular for frontend, Spring Boot for backend, building REST API's, and connecting to MySQL database in GCP
  - The application manages alerts for Home Depot's financial systems by automating the process of changing alert thresholds, saving many hours of manual work
  - Regular updates, including presentations and brief demos, to senior leadership

**REFERENCES** Available on request

**PROJECTS**

- **Adopt A Pet** <https://www.adoptapet.me>, <https://gitlab.com/10am-group-8/adopt-a-pet> Aug 2021 - Dec 2021
  - Web application to make it easier for people to find adoptable pets near them
  - Used Python, Flask, Flask-Restless-NG and a SQLAlchemy for the backend
  - Used PostgreSQL for the database
  - Used Docker and AWS Amplify, Elastic Beanstalk and Relational Database Service for deployment

**CERTIFICATES**

- Google IT Support Professional certificate (3-6 months) *in progress*
  - Overview of IT support, computer networking, operating systems, system administration and more
- Cisco Cybersecurity certificate Summer 2020

**ADDITIONAL COURSEWORK**

**UT at Dallas Coding camp: DS&A** Implemented linked lists, binary search trees, AVL trees, graphs, and their associated algos Summer 2019

**EXTRACURRICULAR ACTIVITIES**

- **TA for C S 303E Programming in Python** First class for Elements of Computing Certificate for non CS majors Aug - Dec 2022
  - Helped manage a class of over 600 students, personally responsible for around 50 of them; leveraged automation- grading scripts
- **Tech Lead for Texas Convergent**, Forge Startups, UT with **Vlogmi**, startup valued at \$4M Aug - Dec 2022
  - Team built a React Native app that integrated with Snapchat's Camera Kit, an invite-only lens SDK
- **Texas Convergent**, Internet of Things build team member, UT <https://github.com/Tushar1729-k/nervEase> Jan - May 2022
  - Built a 3D VR iOS app using UNITY and Google Cardboard to help people overcome social/ speaking anxiety!

**HONORS**

- Valedictorian, The Oakridge School
- National Merit Scholar

**SKILLS / TOOLS**

- Proficient: Java, C, C++ and JavaScript
- Familiar with: TypeScript, Python, iOS Swift, HTML, CSS, GCP, Jenkins, Unity, Golang, gRPC, Docker, Kubernetes, React, AWS, Bazel
- Currently learning: MySQL, R, LaTeX
- Tools: VS Code, IntelliJ, Jira, Pivotal Tracker, GitHub, Eclipse, GitLab, Microsoft Office
- Software Engineering: Working knowledge of SCRUM, DevOps/ SRE practices, security principles (IAM access control)
- Soft Skills: Eager learner, resourceful and persistent, an excellent team player and a good communicator