

# Nicholas J. Roth

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## Objective

Senior computer science major at Texas A&M University with exposure to industry standard technologies gained through internship experience. Currently seeking a full-time position following graduation in May 2023.

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## Education

**Texas A&M University** - College Station, Texas  
*B.S. Computer Science*

May 2023

**Cumulative GPR: 3.66**

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### Courses

- Data Structures and Algorithms
- Computer Systems
- Distributed Systems
- Information Storage and Retrieval

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### Languages

- C/C++ (Advanced)
- TypeScript (Proficient)
- Python (Familiar)

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### Technologies

- Angular
- Docker
- Kubernetes
- Git

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## Experience

**Fidelity Investments** - Westlake, Texas  
*Full Stack Software Engineer Intern*

June 2022 – August 2022

- Developed Angular web application designed to reduce time spent testing software that consumes Kafka events.
- Containerized application using multi-stage Dockerfile reducing image size by approximately 90%.
- Deployed application to Elastic Kubernetes Service (EKS) using Terraform, achieving high availability and scalability.

**Bell Flight** – Fort Worth, Texas  
*Avionic Software Engineer Intern*

June 2021 – August 2021

- Authored Instructions detailing development environment setup using visual studio code and Windows Subsystem for Linux.
- Documented research on the Future Airborne Capability Environment (FACE) data model.
- Built and executed “Hello World” equivalent, FACE conformant, application for analysis.
- Assisted in generating proposal documents for Bell’s V-280 Valor FLRAA offering.

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## Activities

**Ross Volunteer Company**  
*First Sergeant*

September 2021

- Elected by peers to serve as senior discipline officer, managing the 144 members of the Ross Volunteer Company.
- Honor guard which serves both Texas A&M and the governor in various ceremonies and events.
- Attend weekly drill and physical training sessions totaling 12 hours.

**Old Army Gentlemen’s Society**  
*Member*

October 2020

- Organization focused on providing campus leaders an outlet for social and service opportunities.
- Philanthropies include Kingdom Ranch and Isiah’s Place which provide summer camp opportunities for disabled children.

**Corps of Cadets**  
*Cadet Second Lieutenant*

August 2019

- Served as company guidon and platoon sergeant before taking leadership in the Ross Volunteers special unit.
- Selected for cadre (Fall 2020, Fall 2021), which is responsible for introduction and training of freshmen cadets.

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## Certifications, Awards and Accolades

- Eagle Scout (Boy Scouts of America, August 2018)
- Dean’s Honor Role (College of Engineering – Texas A&M University, Fall 2020)
- Distinguished Student (College of Engineering and Corps of Cadets – Texas A&M University, multiple semesters)