

EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, GA

Aug 2020 - Dec 2023

- GPA: 3.7 / 4.0
- Concentrations: Artificial Intelligence and Smart Devices
- Relevant coursework: Data Structures and Algorithms, Systems and Networks, Machine Learning, Computer Vision, Robotics and Perception, Object-Oriented Programming, Probability and Statistics, Applied Combinatorics, Discrete Mathematics, Linear Algebra, Mechanics, Electromagnetism

EXPERIENCE

Google

Software Engineer Intern

Sunnyvale, CA

May 2023 - Present

- Design and develop a flag synchronization microservice for Google Cloud clusters and networks

College of Computing, Georgia Tech

Undergraduate Researcher

Atlanta, GA

Aug 2021 - Present

- Work on the GTSfM (Structure from Motion) project advised by *Prof. Frank Dellaert*
- Set up a cluster using Dask to distribute GTSfM computations across multiple machines
- Design and implement a centralized logging system to track processes on the cluster
- Build a web application in React JS to graphically and dynamically visualize the SfM algorithm
- Develop back-end systems to automate GTSfM process graph generation

Meta

Software Engineer Intern

Menlo Park, CA

May 2022 - July 2022

- Built end-to-end personalized generators for the Facebook Group Reels distribution
- Developed a user interest based Group Video generator for the Facebook Watch Tab
- Implemented an originality controlled Group Video generator for In-Feed Recommendations

HiLearn

Research Engineer

Yerevan, Armenia

Feb 2021 - Aug 2021

- Helped develop AI automated financial advising application
- Researched machine learning models for long term market (stocks, bonds, funds) simulation
- Created Jupyter notebooks to investigate and compare different portfolio management techniques
- Developed APIs to integrate research results in production using Flask

PROJECTS

Mobile Application for Hikers

Individual Project advised by Prof. Frank Dellaert

Aug 2021 - May 2022

- Built a mobile application in React Native to make hiking activities safer and more engaging
- Designed the user interface utilizing Figma
- Researched and implemented a position-tracking and distance-measuring algorithm

SKILLS

- **Technical** - Python, Java, JavaScript, Dask, React Native, C++, C, SQL, Firebase, Git, Linux
- **Languages** - Armenian (Native), English (Fluent), Russian (Intermediate-Upper), Spanish (Intermediate)

HONORS AND AWARDS

- Faculty Honors - Fall 2021, Spring 2021, Georgia Institute of Technology
- Dean's List - Fall 2020, Spring 2022, Fall 2022, Spring 2023, Georgia Institute of Technology
- Prize Winner - Team Blitz-Contest of the 4th Olympiad of Metropolises, Moscow 2019
- 2nd prize - International Youth Olympiad in Mathematics (a.k.a. Global Scholarship Competition), Higher School of Economics, Moscow 2018