Aarya Atluri

📞 (469) 992-1234 | ✉ aaryaatluri@utexas.edu | 🔗 [/JackdestManAlive](#) | 🌐 [/JackdestManAlive](#)

EDUCATION

The University of Texas at Austin   Austin, TX
B.Sc. Computer Engineering | Software Engineering Track   *2024*

EXPERIENCE

Google   Sunnyvale, CA
Incoming Software Engineer Intern   *Jul 2023 - Sep 2023*

- ○ Google Argos - YouTube Video Accelerator VCU
- ○ Expected to work on C++ optimizations for userspace libraries and hardware modeling for chip software simulation

Snap inc.   Palo Alto, CA
Incoming Machine Learning Engineer Intern   *May 2023 - Jul 2023*

- ○ Monetization - Ads Ranking
- ○ Expected to work on future model design for ad auction and optimization of conversion data source pipeline

Nvidia   Santa Clara, CA
Software Engineer Intern   *May 2022 – Aug 2022*

- ○ Overhauled Android OS build targets for NVIDIA Shield TV on a generic Tegra chipset for use by **50+ engineers**
- ○ Engineered an **HAL pipeline** to inject input events from host machine TCP Socket to android device for use within NVIDIA Omniverse development
- ○ Designed and deployed dual-display and multi-zone audio features for NvGamecast and NvAndroidOSC system applications in Android Automotive OS and AndroidTV for **900k+** users
- ○ Integrated video streaming and playback services for AAOS through enhancements in the android application frameworks and core libraries

AMD   Santa Clara, CA
Embedded Software Engineer Intern   *Aug 2021 – Dec 2021*

- ○ Developed **OpenBMC** firmware releases for customer reference boards increasing firmware usage by **12%** and driving an **18%** increase in efficiency for AMD data centers supported by Onyx workstation machines
- ○ Prepared new features for BMC firmware and utilized cross-compilers to port OpenBMC for Linux users
- ○ Reduced server-side memory usage by leveraging modern APIs and libraries to overhaul legacy components
- ○ Programmed a firmware update and BIOS verification software with **Redfish API** deployed to **85%** of Xilinx servers

Sock Club   Austin, TX
Software Engineer Intern   *May 2021 – Aug 2021*

- ○ Engineered a **Natural Language Processing** model using **OpenAI's GPT-3 API** to generate SEO Content to gain traction through Google's backlink ranking system resulting in an increase of ∼**3700 clicks** per day
- ○ Integrated a streamlined product design tool API utilized by the operations team to automate design uploads to **PostgreSQL**, saving designers ∼**4,500 hours** a year

NASA   Houston, TX
Software Engineer Intern   *May 2020 – Aug 2020*

- ○ Collaborated with Masters students and engineers to research and develop an interruptible **WFD(Wave Frontier Detector) Algorithm** for use in autonomous semantic mapping and navigation
- ○ Implemented a calibration algorithm for a network of **Azure Kinect Cameras** with utility in motion prediction

RELEVANT SKILLS

Languages:	Python	C/C++	Java	Ruby	JavaScript	Assembly
Frameworks/Technologies:	Flask	Django	React	MongoDB	AWS	Firebase	Azure	Heroku	Kubernetes	Git
Relevant Coursework:	Algorithms	Software Design Lab	Operating Systems(In-Progress)	Embedded Systems
	Discrete Math	Linear Algebra	Concurrent and Distributed Systems(In-Progress)