(214) 918-0332
Irving, TX
nick.larsen31@gmail.com

Nicholas Larsen
Software Engineer Sr

github.com/nlarsen31
linkedin.com/in/nick-larsen-smu

EDUCATION/CERTIFICATION

Master of Science in Computer Science - AI/ML, *Southern Methodist University* (4.0) — 2020-2022
Bachelor of Science in Computer Science, *Texas Christian* (3.670) — 2014-2018
CompTIA Security+ Certification

SKILLS

Numpy, python, Torch	GAN Training Experiment Final Graduate Project	**Technical Writing**	GAN Training Paper Final Graduate Paper
Tensorflow, CNN	Classifying Brian Cells Graduate Project	**Understanding CNN**	VGG Microscope Reference OpenAI Microscope
Something I'm proud of	Learned Rubik's iOS for solving a Rubik's Cube.	**Personal Project**	Eurche in Godot First attempt at Game Dev

TECHNICAL EXPERIENCE

Software Engineer Senior — **May 2022 - Present**
Lockheed Martin — *Fort Worth, TX*

- Implement automated pipelines for Catia V5 and 3DX (V6) customizations using GitLab Pipelines.
- Design and implement continuous integration/continuous development processes for CAD/CAM applications to air-gaped networks and unclassified networks.
- Architect Catia V5 and 3DX environments with proprietary software, 3rd party applications, and cooperate settings, giving Lockheed designers an edge on the competition.
- Manage coding standards and approve code reviews for development of 3dx and V5 custom applications

Machine Learning/AI at Lockheed Study Group — **April 2023-May 2023**
Lockheed Martin — *Fort Worth, TX*

- Attended classes led by Lockheed Martin professionals teaching the fundamentals of Data Science using the company's preferred tool sets.
- Collaborated with colleagues inside Lockheed Martin to solve sample problems in Data Science.'

Software Engineer — **July 2018 - May 2022**
Lockheed Martin — *Fort Worth, TX*

- Maintained an application for releasing design engineer's drawings and 3-D models. Leveraged an Oracle database for storing the CAD Data, meta-data parts and positions on different airplanes, and release state of drawings.
- Developed features for designers to create retro-fit 3-D models to mimic elements of a previously designed mod-kit drawings and modify spacial query functions to consider the instructions when querying 3-D space.
- Supported the effort to migrate programs from outdated Catia V4 systems into our Catia V5 system for drawing release and 3-D design. Specifically, support processes that make this an easy transition for legacy programs.

Software Engineer Intern — **May 2017 - Aug 2017**
Inmar — *Fort Worth, TX*

- Translated complex Microsoft SQL logic in stored procedures to SQL Server Integration Service (SSIS) packages for daily loads from a real-time database (Informix) to a long term Data Warehouse (Microsoft SQL).
- Wrote SQL Server Reporting Services (SSRS) dashboards to report on long term error trends in the daily loads to enable development teams to anticipate potential problems.