

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

Nicholas Larsen

Software Engineer Sr

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

EDUCATION

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

SKILLS

Numpy, python, Torch	GAN Training Experiment - Final Graduate Project
Technical Writing	GAN Training Paper - Final Graduate Paper
Tensorflow, Convolutional Neural Networks	Classifying Brian Cells - Graduate Project
Understanding Convolutional Neural Networks	Building upon OpenAI Microscope - For reference OpenAI Microscope
Something I'm proud of	Learned Rubik's - iOS app that teaches you how to solve a Rubiks Cube.

TECHNICAL EXPERIENCE

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

- Implement automated pipelines for Catia V5 and 3dx (V6) customizations using GitLab Pipelines.
- Standardize packages and deployments to company network and closed areas.
- Develop and support applications that configure Catia 3dx and V5 environments with proprietary software and settings.
- Architect Catia V5 and 3dx environments with proprietary software, 3rd part applications, and cooperate settings, giving Lockheed designers an edge on the competition.

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

- Attended classes lead by Lockheed Martin professionals teaching the fundamentals of Data Science using the company's preferred tool sets.
- Work 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. Leverage a 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- Supported the effort to migrate programs from outdated Catia V4 systems into our Catia V5 system for drawing release and 3-D design.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.