



# Lampson Nguyen

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## Summary

- Software engineer with over 5 years of experience striving to build and enhance new data related features and apps.
- Fast learner willing to embrace new challenges to provide high-quality products.
- Hands-on experience with data driven programming and proficient in Machine Learning model building process included data preparation, training, and testing.
- Interested in projects utilizing technologies for data processing and/or solving problems.
- Seeking for a backend/data engineering position.

## Skills & Abilities

**LANGUAGES:** C#, Python, MATLAB, R, C++

**WEB DEVELOPMENT:** Servlet, React, HTML, CSS, D3, JavaScript, jQuery, Bootstrap

**MACHINE LEARNING TOOLS:** Keras, ScikitLearn, TensorFlow

**DATABASE:** MySQL, SQL Server

**PROJECT/SOURCE MANAGEMENT:** Git, Bitbucket, GitHub, ClearCase

**TOOLS:** MS TFS, JIRA, Confluence

## Experiences

### SENIOR SOFTWARE ENGINEER LEVEL 4 | NAVAIR | 2021 - PRESENT

- One of the core essential team members of the current development team.
- Developed a program to decode and organize military aircraft post-flight data from binary into relational database.
- Integrated Entity framework to automate data models generation on a WPF application.
- Maintained and enhanced flight data correlation.
- Implemented data validation logic at the UI level to prevent pilots from entering invalid data.
- Validated code effectiveness by updating and deploying unit testing.
- Collaborated with QA teams and end users.
- Demonstrated product to peers and end users.

### SOFTWARE ENGINEER LEVEL 3 | NAVAIR | 2017 - 2021

- Designed and implemented UI to display flight data on a military system.
- Designed data model and implemented stored procedures in SQL Server to process aircraft post-flight data.
- Optimized UI performance and database transactions reduce loading time.
- Deployed the data processing software in Windows Service to work around from memory bottleneck issue caused by product's current framework limitation.
- Migrated multiple projects from VB.NET onto C# and refactored the code to the MVVM patterns and followed coding standards guided in Clean Code.
- Mentored interns and helped new engineers to reduce ramp-up time with the development process.

### SOFTWARE ENGINEER LEVEL 2 | NAVAIR | 2016 - 2017

- Deployed an image recognition web app that can classify types of aircraft and detect weapon types on the aircraft, by retraining InceptionV3 using TensorFlow 1.3.0.
- Designed and deployed static web pages to provide Navy's management the tools and data needed for their business, while applying Google's Material Design.
- Integrated new tools and software into Navy Commands to fulfill current use case and improve processes.
- Processed Technical Engineering documents to ensure data confidentiality before delivering to Foreign Military Customer.

## Education

MS, COMPUTER SCIENCE | EXPECTED JUNE 2022 | CALIFORNIA STATE UNIVERSITY, CHANNEL ISLANDS

BS, COMPUTER ENGINEERING | JUNE 2016 | CALIFORNIA STATE UNIVERSITY, FULLERTON

## Award and Certificate

NAVAIR POINT MUGU - ON THE SPOT AWARD:2018

CARNEGIE MELLON UNIVERSITY - PERSONAL SOFTWARE PROCESS 2017

Defense Acquisition Workforce Improvement Act (DAWIA) Level 2 Certification