



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

MACHINE LEARNING TOOLS: Keras, ScikitLearn, TensorFlow

DATABASE: MySQL, SQL Server

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

TOOLS: MS TFS, JIRA, Confluence

Education

MS, COMPUTER SCIENCE MAY 2022

CALIFORNIA STATE UNIVERSITY, CHANNEL ISLANDS

BS, COMPUTER ENGINEERING MAY 2016

CALIFORNIA STATE UNIVERSITY, FULLERTON

Experiences

SENIOR SOFTWARE ENGINEER LEVEL 4 | NAVAIR | MAY 2022 – PRESENT

- Responsible and accountable for test and analysis plans and coordination
- Develop pre-test predictions, test procedure development & methods, test data management and validation, first pass post-test data analysis and test reporting and documentation for GPS Software tests and functional validation.

SENIOR SOFTWARE ENGINEER LEVEL 4 | NAVAIR | 2021 – APR 2022

- Core essential team members of the current development team.
- Accountable for main decoder software used by flight intelligence and data analysts' community.
- 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.

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