



FIONA DIEP NGUYEN

Huntsville, AL, USA

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URL: <https://fionadn87.github.io/fionaPort/Resume>

CAREER GOAL

A Software Engineer who aims to participate in all phases of software development, including requirements, analysis, design, implementation, and testing.

WORK EXPERIENCE

Principal Software Engineer

Northrop Grumman – Full Time

Mar 2023 – present **Huntsville, AL, USA**

- Continue experiencing in CI/CD tools (Gitlab, Jenkins) for automated deployments
- Hands on experience in Gitlab Runner that works with Gitlab CI/CD to run the job pipeline in airgap (no internet connection) environment
- Continue experiencing in source code repositories like Bitbucket, Gitlab
- Continue experiencing Jira for Agile project management
- Hands on experience in containerization using Docker and deploying the microservices using Kubernetes (K8s)
- Continue developing software to automation processes in development, testing, and production environments
- Continue developing Infrastructure as Code (IaC) to automate establishment of domain, network, hypervisor (VMware vSphere, VMware ESXi, vCenter) using IaC tools like Terraform, Ansible/Ansible Tower (AWX), Packer

Software Engineer

Northrop Grumman – Full Time

May 2021 – Mar 2023

Huntsville, AL, USA

- Continuous integration (CI) and Continuous delivery (CD) and related tools (Gitlab, Jenkins)
- Skilled DevOps of hands-on experience supporting, automating, and optimizing mission critical deployment in Gitlab, Ansible Tower (AWX), leveraging configuration management, CI/CD and DevOps processes
- Automate, deploy applications, and provision critical software infrastructure
- Work with microservices and distributed application architecture, such as containers, Kubernetes, and/or serverless technology
- Work with the fellow DevOps team and play a mentoring role to cross-train and grow technical talent across DevOps team and assist in troubleshooting tasks
- Implement clean and maintainable infrastructure-as-code (IaC) that adheres to industry best practices (Terraform, Ansible, Packer)
- Java/C/C++ development and/or front-end web development including JavaScript Frameworks (ReactJS), HTML, and CSS
- Docker, Jfrog Artifactory, Kubernetes K8s
- Distributed version control software (Gitlab, Bitbucket)
- Linux and Windows operating systems
- Agile methodologies (Scrum, Kanban, Extreme Programming), Scaled Agile – (SAFe, Scrum)

Software Developer

Leidos – Full time

Oct 2020 – May 2021

Huntsville, AL, USA

- Working with UAS and unmanned ground robotic systems, radio communication technologies, networking hardware, security appliances and software
- Maintaining code and integrating software components into a fully functional software system
- Developing, documenting, and maintaining architecture, requirements, algorithms, interfaces, and designs for software systems
- Contributing to the integration of system and subsystem components as well as execution of system acceptance test(s)
- AGILE SW environment
- Linux, C++, Jira

Junior Software Developer

1st Edge LLC – Full Time

Jul 2020 – Oct 2020

Huntsville, AL, USA

- SW languages – C#, SQL, Java, JavaScript
- SW frameworks – DotNet Core, ASPNetCore, node, bootstrap, ReactJS
- SW development methods – Scrum, CI/CD
- Skilled DevOps of hands-on experience supporting, automating, and optimizing mission critical deployment in MS Azure, leveraging configuration management, CI/CD and DevOps processes

Computer Science Lab Monitor

University of Central Oklahoma – Part time

Jun 2019 – May 2020

Oklahoma City, OK, USA

Technical Position

University of Central Oklahoma – Part time

Dec 2018 – May 2020

Oklahoma City, OK, USA

- Designing and delivering lesson plans for Semester & Summer programs for introductory & intensive training programs to high school students. Projects are designed and delivered for IoT-based Raspberry Pi (Developing a full Home Security System using Python)

EDUCATION

University of Central Oklahoma, Edmond, Oklahoma, US

May 2020

Bachelor of Computer Science

Grade: Outstanding

Cumulative: 3.63/4.0

University of Nottingham in United Kingdom, Malaysia campus

Feb 2014

Master of Science in International Business

Grade: Second Class

University of Nottingham in United Kingdom, Malaysia campus

Feb 2011

Master of Crop Biotechnology

Grade: Merit

University of Nottingham in United Kingdom, Malaysia campus

Jul 2009

Bachelor of Science in Plant Biotechnology

Grade: Second Class

HONORS & REWARDS

Outstanding Graduate Award

Issued by University of Central Oklahoma

May 2020

Oklahoma City, OK, USA

Beresford Scholarship

Issued by University of Central Oklahoma

Aug 2019

Oklahoma City, OK, USA

SKILLS

Programming Languages: C++, C#, JavaScript, Java, Python

Automation: Ansible, Terraform, Packer

Frontend Frameworks: ReactJS, AngularJS

Backend Frameworks: ExpressJS, NodeJS, ASP.NET CORE

Others: Microsoft Azure, Azure DevOps, Kubernetes, JFrog Artifactory, Docker, git

Source Code Management: Bitbucket, Gitlab, Azure DevOps, GitHub

