



**DIEP (FIONA) NGUYEN**  
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### **CAREER GOAL**

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

### **EDUCATION**

**University of Central Oklahoma, Edmond, Oklahoma, US**  
*Bachelor of Computer Science*  
*Cumulative: 3.63/4.0*

**May 2020**

### **PROFESSIONAL EXPERIENCE**

**Northrop Grumman, Huntsville, AL, USA**  
*Software Engineer*

**May 2021 – Present**

- JavaScript/Typescript/Python/C/C++ development and/or front-end web development including JavaScript Frameworks (Angular JS or React), HTML, and CSS
- Docker, Jfrog Artifactory, Kubernetes.
- Distributed version control software (GitLab, Bitbucket)
- Linux and Windows operating systems
- Agile methodologies (Scrum, Kanban, Extreme Programming), Scaled Agile – (SAFe, Scrum@Scale, DaD, etc)
- Continuous integration (CI) and continuous delivery (CD) and related tools
- Linux environment

**Leidos, Huntsville, AL, USA**  
*Software Developer*

**Oct 2020 – May 2021**

- SW languages – C++, Python, Bash
- UAS and unmanned ground robotics 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 in the integration of system and subsystem components as well as execution of system acceptance test(s)
- AGILE SW environment, CI/CD
- Linux environment

**1<sup>st</sup> Edge LLC, Huntsville, AL, USA**  
*Junior Software Developer*

**Jul 2020 – Oct 2020**

- SW languages – C#, SQL, Java, JavaScript
- Bootstrap, ASP.NET Core, REACT
- AGILE SW environment, CI/CD
- Skilled DevOps of hands-on experience supporting automating, and optimizing mission critical deployments in MS Azure, leveraging configuration management, CI/CD, and DevOps processes.

**University of Central Oklahoma, Edmond, Oklahoma, USA**  
*Upward Bound Math Science GAME ON – Technical position*

**Dec 2018 – May 2020**

- 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).

## INVOLVED PROJECTS

### University of Central Oklahoma, Edmond, Oklahoma, USA

Dec 2018 – May 2020

May 2020

- *Online To-do list – Organize your To-do list in the simplest way*
  - SW language – C#
  - Bootstrap, ASP.NET Core, ANGULAR 8.0
  - A web app, that used the Angular project template provided in Visual Studio, for managing a To Do list. An angular service was developed for encapsulating the logic for requesting API information. Bootstrap, fontawesome, angular were used for web design. Momentjs was used to display dates/times in the locale of the browser. One cool feature of this app is any item that has a due date within the warning window setting will be highlighted yellow. Sorting and filtering items were provided in this app for a quick search of desirable items. Entity Framework Core was utilized to support multiple users, and to persist user data in both front end and back end.
  - Source control: DevOps
- *SIMSO- simple and healthy solution for social media & networking* May 2020
  - A simple social media mobile app (Android & iOS) designed with different views for the users. User authentication was based on simple login or fingerprint recognition. Searching for friends, friend management, content filter and content addition, tags, account settings, messengers, time and touch trackers are remarkable features of SIMSO. Cloud functions were employed to allow access to a complete range of fully managed mobile-centric services including analytics, authentication and Realtime Database.
  - Deliver solutions in an Agile – Scrum project methodology.
- *PAWPRINT- Pet Sitting Services* Sept 2019
  - A mobile app (Android & iOS) was built for interaction between pet sitters and customers. PawPrint utilizes cameras, Firebase Storage, user authentication to create, store, and retrieve data respectively. Google map was implemented inside the app display locations of pet sitters that neighboring the current user and display the shortest route between 2 locations. A calendar feature was used for booking a new service, and Pet profiles were shared when booking a new service while owner profiles are private. All information updates and stored in Firebase storage.
  - Agile communication with GitHub source control
- *HANDIPARK- UCO Parking management system for people with disabilities* June 2019
  - A mobile app (Android & iOS) that was based on the client-server model where the server-side uses Firebase Realtime database to keep all the data and business logic. Deploying Google map and Firestore, the client-side enables users to look up/search the campus parking map, to identify/search for reserved parking spots for people with disabilities and to navigate to a chosen location, to update the status of parking space (as to hold/available/unavailable).
  - Agile communication with GitHub source control

### Oklahoma City University, Oklahoma City, Oklahoma, USA

#### Administrative assistant

Jul 2017 – Aug 2019

- Incorporating functionalities and features into websites, and designing sample pages including colors and fonts
- Monitor budgets and performs budget management activities in cooperated programs using VBA and Power BI. Activities include tracking expenses, purchase requisitions, contract liquidations, routine report creation and review. Assists program leaders throughout the annual department budget process. Analyzes costs and participates in the evaluation of program effectiveness.

## TECHNICAL SKILLS

- Data structure, Networks, Operating System (C++)
- Web (JavaScript, HTML/CSS, ASP.NET Core in C#, SQL, PHP)
- Cameo System Modeler (CSM)
- Mobile app development (DART, Java)
- Object-oriented 2D games (Java), IoT (Python)
- Experience with Firebase, Cloud functions, Microsoft Window Azure, DevOps, ANGULAR, REACT