Nasen Wilson

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# Objective

Obtaining a Software Engineering internship to gain professional experience to help create better applications for your company.

# Education

## BACHELOR OF SCIENCE | anticipated graduation 2024 |

## washington state university

* Major: Software Engineering
* Related coursework: Data Structures and Algorithms, Linear Algebra, Discrete Mathematics, Software Design, Software Engineering, Cyber Security, Database Systems, Systems Programming, Programming Language Design

# Skills & Abilities

## lanagues

Experience coding in HTML/CSS, JavaScript, C#, Java, Python, C++, MySQL, PostgreSQL, Assembly

## Full Stack development

* Implemented Web Based Programming Using HTML, CSS, JavaScript, SQL using MVC in ASP.NET.
* Experience building projects utilizing Full-Stack Development techniques both solo and with other Software Engineers.

## database programming / database management

* Experience creating and managing Database tables in SQL.
* Experience making stored procedures and linking them to .NET projects.
* Knowledge of Relational Algebra and ER Diagrams.

## data structures & Algorithms

* Binary Search Trees, Stacks, Queues, Arrays, Linked Lists, Hash Tables/Maps, Heaps

# Experience

## HACKATHON | WASHINGTON STATE UNIVERSITY | APRIL 2023

* Participated in WSU Hackathon 2023 whereas a team we planned, designed, and programed an application based on the given theme of the Hackathon. This gave me experience working with a team of Software Engineers of various skillsets and different experience levels, experience in being a team-lead, and experience speaking and presenting in front of both experienced industry individuals as well as my own peers.

## nasa usli Capstone project | WASHINGTON STATE UNIVERSITY | September 2023

* Senior Capstone project where I was selected to work with Software Engineers, Electrical Engineers, and Mechanical Engineers to design and build a rocket for the NASA USLI competition. This project gave me not only experience working with other types of engineers for the first time, but also experience communicating with industry professionals from both NASA and Blue Origin. The key part of this project I contributed to was learning how to work with external hardware connected to physical systems such as a drone capable of carrying a set of “STEMnaut” miniature figure passengers as well as programming flight computers in order to enable systems such as airbrakes on the rocket as well as systems such as onboard GPS and camera systems.

# Extracurricular Activities:

## WSU Everett Rocket Team:

* Experience working on the NASA USLI Project where I worked with the team on assembly and documentation for the subscale model of our main competition rocket which is set to be completed and launched in the middle of next year. Joined the National Rocket Association and successfully launched and recovered my own personal rocket earning myself an L1 certification, with high hopes of going for my L2 certification in the near future.