Nima Najafian

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Bachelor of Computer Science
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EDUCATION

•Bachelor of Computer Science   *2021-25*

University Of Oklahoma, Norman   Major GPA: 3.6

PERSONAL PROJECTS

•Diet Companion

A AI driven diet tracking web app build using Ionic/Angular framework.

– Using ODM and ORM libraries such as Sequelize and Mongoose to define our database models.
– Utilizing the Ionic/Angular framework for web-app front-end development.
– Utilizing public API's for data collection and developing internal APIs for our back-end systems.
– Technology Used: Typescript, Ionic/Angular, Jest, MySQL, MongoDB, ODM & ORM Libraries.

•Saint Dracul Arena (Video Game)

A Doom like game built using Unity 3d.

– Used Unity3D engine to build the game.
– Built Game Back-end processes and command patterns using C#.
– Technology Used: Unity3D, Blender, C#, Linux.

•Discord Music Bot

A simple music bot that utilizes the Discord API and YTDLP and Soundclod API to play songs in a voice channel.

– Using User input to parse and search for desired song, then search Youtube and or SoundCloud.
– Play desired song through the Discord API.
– Technology Used : Python , YTDLP Library, SoundCloud API, Discord API.

EXPERIENCE

•Database & Back-end Developer   *Jan 2022 - Current*

ScooterLab Funded by the National Science Foundation   Hybrid
– Focused on Ramp API development, managing and optimizing back-end processes.
– Handled data management, parsing, and collection to ensure accurate and efficient data handling.
– Resampling and data processing to improve the reliability and performance of back-end systems.
– Concurrent embedded programming and deployment.

•Software Development Internship   *May - Augest 2023*

Flywheel Energy   Hybrid
– Developed back-end services for an energy management system using sprocs and Typescript.
– Specialized in Ionic, Angular, and TypeScript to ensure seamless integration with company objectives.
– Excelled in optimizing existing apps and staying updated with industry trends.
– Hands-on experience in Full-stack Development and automation using Azure Management Console.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, Typescript, HTML+CSS, Java
Libraries : Java Multiverse, Python Libraries, Ionic, ODM, ORM, Mongoose, Sequelize
Web Dev Tools: Nodejs, VScode, Git, Github, Postman
Frameworks: Ionic, Angular, Bootstrap
Cloud/Databases:MongoDb, MySQL, Google Cloud
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Database Engineering, Web Development, Back-end Development, Electric Mobility.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•Daily Drive with Tux Workshop - University Of Oklahoma, Norman   *Nov 2024*

– Introduction to Linux for Daily Use.
– Organize and prepare material for the workshop.
– Running a live Demo of Linux installation and configuration.