

Milad Noori

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SKILLS

Java, Agile Methodologies, C, C++, Python, SQL, UML, Git, LaTeX, Shell Script, MATLAB, Simulink, HTML, CSS, JavaScript, Databases, .NET Framework, Software Development, Jira, Eclipse, Android Studio, NetBeans, React, Arduino, VirtualBox, Linux, Windows, macOS.

EDUCATION

The University of Texas at Arlington

Bachelor of Science in Computer Science

Tarrant County College

Associate of Science & Arts Honors

Dean's List, Honor's List, Humanities Award, Phi Theta Kappa member

CERTIFICATES

The University of Texas at Arlington

Unmanned Vehicle Systems Certificate

Tarrant County College

Office Assistant Certificate

MathWorks

MATLAB onramp, SIMULINK onramp

Translation & Interpretation Network (TIN)

Community Interpreter Certificate (Persian Language)

PROJECTS

Senior Design Project Class; Agile Development, Arduino, C++ Programming Language

Built a recoverable Thrust Vector Gimbal Rocket

Link for more details: [TVC GIMBAL ROCKET – CSE Senior Design \(uta.edu\)](#)

Machine Learning Class; Python, Tkinter, LaTeX (IEEE Project Paper), Colab, Kaggle

- Project proposal for implementing a machine learning algorithm over Spaceship Titanic data set from Kaggle.
- Implemented Logistic Regression and SVM algorithms to get the result for the data and used python's Tkinter GUI toolkit and made a GUI for data visualization

Database Class Projects

Project 1 – Made ER Diagram for a sample National Hockey League and SQL Queries

Project 2 – Rental Car sample data fetching from text and execution of queries on them

Project 3 – Made GUI for project 2 for adding new data and searching database

Unmanned Vehicle Systems Class

Built Autonomous UGV (Unmanned Ground Vehicle) System

MATLAB, Python Programming Language, ROS, ArduPilot Mission Planner

Autonomous Robotics Class: Building Autonomous Robot by LEGO® MINDSTORMS® EV3

❖ Python Programming Language

- a. Project 1: Develop Odometry and implement path planning
- b. Project 2: Rescue Robot for a maze
- c. Project 3: Stair-Climbing Robot

❖ C Programming Language:

- Determined and implemented forward kinematic function for Simulated Robot Arm
- Implemented a PD controller for a 1 DOF robot manipulator
- Image processing:
 - d. Implemented Edge Detection Using Prewit Templates
 - e. Implemented Template Matching Using Normalized Convolution
 - f. Implemented Segmentation Using Blob Coloring
- Implemented the Q-learning algorithm to Balance a simulated Inverted Pendulum

Software Engineering Class; Java Programming Language, Astah Professional, Google

Firebase, Android App Development; Android Studio; Everyday budgeting application

Operating Systems Class; C Programming Language

Built a shell application like the bash/terminal application

Intro to Programming Class; Java Programming Language

Built a Java Applet for flight booking

EXPERIENCE

Learning Ambassador Amazon, Fort Worth, TX	2022 – Present
Driver (Freelance) Uber, Fort Worth, TX	2019 – Present
Interpreter (Freelance) TIN, Fort Worth, TX	2015 – /Present
Substitute Teacher Fort Worth ISD, Fort Worth, TX	2015 – 2016
Electronics Assembly Trainer GENCO, Fort Worth, TX	2014 – 2015

LANGUAGES

English, Persian, Pashto

HOBBIES

Table football, Chess

VOLUNTEER

Back to School Round Up.
