

Hoang Dang

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Education

Gannon University , BS in Computer Science	Aug 2021 – May 2025
<ul style="list-style-type: none">• GPA: 3.5/4.0• Coursework: Object- Oriented Programming, Mobile App Development, Data Structure and Algorithm, Database Management System, Algorithm Development Lab, Software Engineering, Linux Programming, Applied Statistic, Formal Method Software Development, Server Management• Skills: ASP .NET API, EntityFramework, Microsoft SQL server, Python, Pytorch, Javascript, Express.js, React.js, Postgresql, Azure, AWS, Tensorflow, Scikitlearn, C sharp and C, R, Microsoft Excel, MySQL, CUDA programming• Organizations: Student Goverment Organization, Global Student Organization• Certificates: Hackerrank Software Engineer, Hackerrank Rest API (Intermediate) https://www.hackerrank.com/certificates/iframe/0ae88a95702a https://www.hackerrank.com/certificates/iframe/b85e729e03e6	

Experience

VR App Dev , Gannon University	October 2024- Now
<ul style="list-style-type: none">• I developed a hydraulic press for Industrial Engineering department using Blender 3D and scripted behavior of a piston in C sharp.• I coded C sharp script for object prefab and improved VR interaction by 30% through debugging.• I created teleportation environments and interactive controllers for user experienced	
Cloud computing researcher , Gannon University	October 2024 – Now
<ul style="list-style-type: none">• We reduced data transfer delays by 15% through RDMA and SDN implementation.• We redesigned networking systems to support ultra-low latency processing.• I implemented edge computing models, improving system optimization by 20%.	
Student Assistant and Student Conference Assistant , Gannon University	May 2022 – Aug 2024
<ul style="list-style-type: none">• We worked in a team of 10 people to provided services to summer interns at Erie Insurance and Erie Soccer Camps.• We generated more than 25% of the anticipated margin revenue in 2022.• I designed and managed data in Microsoft Excel and Word document that correlates room numbers with corresponding key codes.• We redesigned and replaced furniture inside Freeman Hall and Lubiak Hall.	
The Knight Club Bartender , Gannon University	August 2021 – January 2023
<ul style="list-style-type: none">• I take orders from customers and serve them foods and drinks.• I communicate with the chefs when the order ran out of stock and notify the customer	

Projects

RESTful Students API and MVC https://github.com/6namdang/StudentsAPI	
<ul style="list-style-type: none">• I created a RESTful API for students at Gannon University using ASP .NET Core API, Entity Framework, Microsoft SQL Server Database.• I implemented domain driven development by creating a database context class, Domain Models and DTO and use Automapper to map between DTO and Domain Model.• I implemented repository pattern for all of my controllers.• I created Authorizations and Authentication using JWT Token bearer that allow users to register and login, and I tested it using SwaggerUI and Postman.• I created an ASP. NET Core MVC to consume my web API.• I containerized the Web API using Docker and deployed it on Azure	
Emotion and Pose recognition- Lockheed Martin senior design project https://github.com/6namdang/emotionPose https://www.youtube.com/watch?v=zJPQqzwTeao	
<ul style="list-style-type: none">• I imported all the neccesary dependencies for the projects and set up Python kernel, and created and labeled my own datasets according to the poses I arranged.• I implemented Mediapipe to captured all the holistic landmarks and exported it into a CSV file.• I implement the pipeline which consists of scaling the datasets and tested it using 4 different algorithms: Logistic Regression, Ridge Classifier, Random Forest Classifier and Gradient Boosting Classifier• The accuracy score of 4 algorithms were measured at 90%.• I returned the prediction into the live feed of the webcam, so user can see the score and the prediction it made in real-time.	