

Hamed Tavakoli Dastjerdi

uOttawa CS Student, Hitachi Intern

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SKILLS

Programming Languages

Python | C++ | C | Java | JavaScript | SQL

AI/ML Frameworks

TensorFlow | PyTorch | Scikit-learn | NumPy | Pandas

Software

Development

Algorithm Design | Data Structures | Object-Oriented Programming | Version Control

Tools

Git | Docker | AWS | GCP | Azure

Domains

Artificial Intelligence | Machine Learning | Computer Vision | Natural Language Processing | Cybersecurity

Collaboration

Teamwork | Brainstorming | Cross-Functional Collaboration | Research Development

WORK EXPERIENCE

Site Deployment Intern at Hitachi

2024-05-01 - Present

Developed automated configuration scripts that improved deployment efficiency by 300%. Designed predictive maintenance systems using machine learning, reducing downtime by 20%. Collaborated with cross-functional teams to deliver reliable SATCOM solutions.

Game Developer Intern at Broken Teapot Studios Inc.

2024-01-01 - 2024-01-31

Engineered advanced AI routines for NPC behavior, enhancing user engagement. Optimized graphics rendering algorithms, increasing performance by 115%. Applied creative problem-solving skills in developing innovative game mechanics.

Full Stack Web Developer at RTXComputers Electronics Provider

2022-05-01 - 2022-08-31

Built AI-powered tools, such as customer support chatbots and recommendation systems. Streamlined backend processes using Python and Node.js. Delivered solutions aligned with client needs and business goals.

Game Developer at PanQ Game Studio

2020-11-01 - 2022-11-30

Designed and launched innovative mobile games featuring AI-driven gameplay elements. Created machine learning models to analyze user interaction data and enhance player retention.

VOLUNTEER

Development Lead at uOttHack

2023-07-01 - Present

Board of Directors Member at Engineering Students' Society, University of Ottawa

2023-09-01 - 2024-04-30

CALE 2024 Conference Organizer at Engineering Student Societies' Council of Ontario

2023-11-01 - 2024-03-31

EDUCATION

Bachelor of Science Computer Science, Minor in Physics at University of Ottawa

2022-09-01 - 2027-04-01

Specializing in artificial intelligence, machine learning, and software development. Recipient of over \$40,000 in annual merit scholarships. Dean's Honor List. Expected graduation in May 2027.

AWARDS

5G Connectivity for Cross Border Challenge at Telus

2023-07-01

Solutions Lab & Idea's Lab Award at University of Ottawa - eHub - MDA

2023-02-01

Youngest Startup of Iran at Tabnak

2017-06-01

CERTIFICATES

Introduction to Statistics

Stanford University

Network Security, Python Programming, 5G/3GPP

Huawei Talent

Java Programming, Problem Solving

HackerRank

Art Directing Games with Vision and Purpose

Iran Computer and Video Games Foundation

PUBLICATIONS

Impact Of Telemedicine Intervention On Patient Satisfaction For Hypertensive Patients

2023-02-01