

Hamed Tavakoli Dastjerdi

uOttawa CS Student, Hitachi Intern

36 Robinson Ave., K1N 0G4, Ottawa, Ontario CA

HamedTava@outlook.com

(613) 294-6363

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SKILLS

Languages

English | French | Persian

Programming

Python | C/C++ | Shell | Git | Java

Frameworks & Libraries

TensorFlow | Keras | Pandas | NumPy

Tools

Linux | Docker | Git | AWS

AI/ML

Deep Learning | Computer Vision | Natural Language Processing | Model Deployment

Image Processing

OpenCV | Image Augmentation | Feature Extraction

WORK EXPERIENCE

Site Deployment Intern at Hitachi

2024-05-01 - Present

Reduced deployment time by 300% through the development of automated configuration scripts.

Designed and implemented automated predictive maintenance systems, leveraging Python and Linux scripting to reduce operational downtime by 20%.

Created comprehensive documentation and training materials for the deployment process.

Game Developer Intern at Broken Teapot Studios Inc.

2024-01-01 - 2024-01-31

Implemented dynamic AI routines for NPCs, improving gameplay fluidity and player engagement.

Optimized game shader performance by 115% by refactoring code and streamlining resource management.

Integrated AI-based procedural generation methods to enhance gameplay replayability.

Game Developer at PanQ Game Studio

2020-11-01 - 2022-11-30

Founded PanQ, an indie game studio specializing in innovative mobile games.

Developed games such as "Focus!" and "Spycer" with positive reviews, using Python and C++ for AI-driven mechanics.

Applied computer vision techniques to create augmented reality features, increasing engagement.

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

Actively engaged in cutting-edge research in AI, computer vision, and deep learning. Multiple competitions and merit scholarships totaling over \$40,000 annually. Dean's honour list.

AWARDS

Scholarship for Merit through Innovation in Student Publications at UOSU

2024-02-01

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

CERTIFICATES

Introduction to Statistics

Stanford University

Network Security, Python Programming, 5G/3GPP

Huawei Talent

Java Programming, Problem Solving

HackerRank

PUBLICATIONS

Impact Of Telemedicine Intervention On Patient Satisfaction For Hypertensive Patients

2023-02-01