

# Hamed Tavakoli Dastjerdi

uOttawa CS Student, Hitachi Intern

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## SKILLS

### Programming

Python | Java | C/C++ | C# | Typescript | JavaScript | Shell Scripting | SQL | MATLAB

### Frameworks

TensorFlow | Pandas | NumPy | SimPy | React | Node.js | Bootstrap

### Tools

Git | Docker | Postman | MATLAB | JIRA | CI/CD | Vagrant

### Technologies

Automation | Instrumentation | Optical Systems | AI/ML | Big Data | Object-Oriented Design

### Cybersecurity

Network Security | Cryptography

### Languages

English | French | Persian

## WORK EXPERIENCE

### Site Deployment Intern at Hitachi

2024-05-01 - Present

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

Designed automated predictive maintenance systems, reducing operational downtime by 20%.

Created comprehensive documentation and training materials for the deployment process.

Gained hands-on experience in automation tools and instrumentation systems.

### 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.

Collaborated with the development team on automation and scripting for game testing and deployment.

### Full Stack Web Developer at RTXComputers Electronics Provider

2022-05-01 - 2022-08-31

Designed and developed several web applications and tools, including an automated customer support chatbot.

Collaborated with the marketing team to optimize the website's user experience. Improved development workflow through automation and process optimization.

### Game Developer at PanQ Game Studio

2020-11-01 - 2022-11-30

Founded PanQ, an indie game studio that specialized in developing innovative games for mobile. Designed and developed games with a focus on efficient scripting and automation for testing and deployment.

## 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 - 2026-04-01

Actively engaged in cutting-edge research across various fields, including automation, physics, and engineering. Dean's honour list with multiple merit scholarships totaling over \$40,000/annum.

## 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

### 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

### Investigating Human Cognitive Learning Process In An Artistic Context

2017-05-01