

# Hamed Tavakoli Dastjerdi

uOttawa CS Student, Hitachi Intern

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## SKILLS

<b>Programming</b>	Python   Java   C/C++   Verilog   Shell Scripting   SQL
<b>Design &amp; Verification</b>	RTL Design   Logic Synthesis   Static Timing Analysis   CDC   LEC   Timing Closure   Silicon Debug
<b>Frameworks and Tools</b>	Unix/Linux   Git   MATLAB   JIRA   Perl
<b>Technologies</b>	Edge Computing   TCP/IP   IEEE TSN   Networking Protocols   Real-Time Systems
<b>Languages</b>	English   French   Persian

## WORK EXPERIENCE

<b>Site Deployment Intern</b> 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. Collaborated with cross-functional teams to enhance deployment frameworks for real-time, safety-critical systems.	
<b>Game Developer Intern</b> 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. Assisted in the design and implementation of a unique puzzle-solving mechanic that increased user retention by 25%.	
<b>Full Stack Web Developer</b> at RTXComputers Electronics Provider	2022-05-01 - 2022-08-31
Designed and developed several web applications and tools, including a customer support chatbot and a product recommendation system. Collaborated with the marketing team to optimize the website's user experience and improve conversion rates.	
<b>Game Developer</b> at PanQ Game Studio	2020-11-01 - 2022-11-30
Founded PanQ, an indie game studio that specialized in developing unique and innovative games for mobile. Designed and developed several games, including "Focus!" and "Spycer", which received positive reviews and high user ratings on local app stores, generating revenue through in-app advertisement.	

## VOLUNTEER

<b>Development Lead</b> at uOttHack	2023-07-01 - Present
<b>Board of Directors Member</b> at Engineering Students' Society, University of Ottawa	2023-09-01 - 2024-04-30
<b>CALE 2024 Conference Organizer</b> at Engineering Student Societies' Council of Ontario	2023-11-01 - 2024-03-31

## EDUCATION

<b>Bachelor of Science Computer Science, Minor in Physics</b> at University of Ottawa	2022-09-01 - 2026-04-01
Actively engaged in cutting-edge research across various fields, including physics, engineering, and health sciences. Multiple competitions and merit scholarships over \$40,000/annum. Dean's honour list.	

## AWARDS

<b>Scholarship for Merit through Innovation in Student Publications</b> at UOSU	2024-02-01
<b>5G Connectivity for Cross Border Challenge</b> at Telus	2023-07-01
<b>Solutions Lab &amp; Idea's Lab Award</b> at University of Ottawa - eHub - MDA	2023-02-01
<b>Youngest Startup of Iran</b> at Tabnak	2017-06-01

## CERTIFICATES

<b>Introduction to Statistics</b>	Stanford University
<b>Network Security, Python Programming, 5G/3GPP</b>	Huawei Talent
<b>Java Programming, Problem Solving</b>	HackerRank
<b>Art Directing Games with Vision and Purpose</b>	Iran Computer and Video Games Foundation

## PUBLICATIONS

<b>Impact Of Telemedicine Intervention On Patient Satisfaction For Hypertensive Patients</b>	2023-02-01
<b>Investigating Human Cognitive Learning Process In An Artistic Context</b>	2017-05-01