

# Hamed Tavakoli Dastjerdi

uOttawa CS Student, Hitachi Intern

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## SKILLS

### Programming

Swift | Objective-C | Python | Java | C# | JavaScript | HTML/CSS | SQL

### Mobile Development

iOS | UIKit | SwiftUI | CoreData | Realm | App Architecture | MVVM | MVC

### Testing and

### Deployment

Unit Testing | Integration Testing | Load Testing | CI/CD | Code Reviews

### Databases

SQLite | Realm | Firebase | PostgreSQL

### Technologies

Real-Time Technology | Open Source | Edge Computing | Big Data

### Tools

Git | Docker | JIRA | Xcode

### 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 predictive maintenance systems, reducing operational downtime by 20%. Gained experience in real-time systems, continuous integration, and deployment workflows.

### Game Developer Intern at Broken Teapot Studios Inc.

2024-01-01 - 2024-01-31

Implemented dynamic AI routines for NPCs, improving gameplay fluidity. Optimized game shader performance by 115% and assisted in developing puzzle-solving mechanics. Collaborated in rapid iteration cycles and code reviews.

### Full Stack Web Developer at RTXComputers Electronics Provider

2022-05-01 - 2022-08-31

Developed web applications including customer support chatbots and product recommendation systems. Collaborated with teams to enhance UX and performance. Worked with databases and modern design patterns.

### 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 with modern design patterns and sustainable revenue models. Utilized iterative design processes and continuous integration strategies.

## 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

Engaged in research spanning computer science and physics. Consistently on the Dean's Honour List, awarded scholarships totaling over \$40,000 annually. Developing strong CS fundamentals and modern software development techniques.

## 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