Vyron **Vasileiadis**

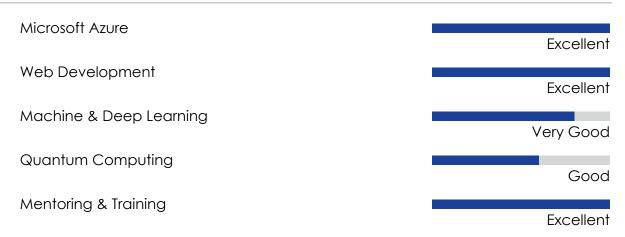Software Engineer

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Vyron Vasileiadis holds an MSc in Space Science and a BSc in Computer Science. He is a software engineer, with 9+ years of experience, specialized in web technologies, machine & deep learning and Microsoft Azure.

He is a Microsoft Certified Trainer adept at planning and implementing onsite and remote training programs. He is passionate about education and the ecosystem and has taken over the role of mentor in several hackathons and incubators.

Areas of Interest

Microsoft Azure
Excellent

Web Development
Excellent

Machine & Deep Learning
Very Good

Quantum Computing
Good

Mentoring & Training
Excellent

Work History

2019-01 - Current

Microsoft Certified Trainer

Freelancer, Worldwide

Delivering in-class and remote Microsoft courses in cooperation with Microsoft Learning Partners. Currently available courses:

- AZ-900: Microsoft Azure Fundamentals
- AI-900: Microsoft Azure AI Fundamentals
- AI-100: Designing and Implementing an Azure AI Solution
- DP-900: Microsoft Azure Data Fundamentals
- DP-100: Designing and Implementing a Data Science Solution on Azure
- 20-480: Programming in HTML5 with JavaScript and CSS3
- 20-483: Programming in C#
- 20-486: Developing ASP.NET Core MVC Web Applications

2020-10 - 2021-05

Software Engineer

ATCOM, Athens, Greece

- Senior software engineer at ATCOM, the largest software provider of Greece.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.
- Technology stack : C#, .NET/ASP.NET Core 3.1, Hangfire, Elastic Search, MSSQL Server, Entity Framework, JavaScript, Angular, Azure DevOps, Docker, Kubernetes

2016-10 - 2020-01   **Trainer**

PeopleCert, Athens, Greece

- Trainer at Alliance for Digital Employability Coding Bootcamp, a 14-week intensive full-stack training course
- The curriculum included C#, .NET/ASP.NET, MSSQL, Entity Framework, HTML, CSS, JavaScript, React, as well as generic software skills such as algorithms, data structures, design patterns, OOP, functional programming, testing, and scrum
- Trained over 1000 hours and more than 400 students
- Mentored and coached students on their projects in a simulated agile environment
- Collaborated with leadership to assist in lesson plans, instructional materials, and written practice tests

2014-09 - 2017-04   **Software Engineer**

open.tech, Athens, Greece

- Lead software engineer of open.tech, a collaborative creative agency in Greece specialized in innovative technologies and the web
- Participated in a plethora of projects for a variety of clients including luxury villas, apartments and hotels, top Greek fashion designers, theatrical groups and the Greek government
- Worked closely with clients to establish problem specifications and system designs
- Managed a team of 5 developers and designers
- Technology stack: Python, Flask, Celery, C#, .NET/ASP.NET, MSSQL, MongoDB, Redis, AngularJS, React, Microsoft Azure

2013-09 - 2014-06   **Software Engineer**

Pegneon, Athens, Greece

- Implemented company's website, API and integrated solutions into business operations
- Designed and developed the company's main product, an educational game about safety and hygiene in co-working spaces
- As the sole developer of the company, I had elevated architecture responsibilities and a key role in the interviewing process
- Technology stack: C#, .NET/ASP.NET, MSSQL, Unity3d, JavaScript, jQuery

2012-05 - 2012-10   **Software Engineer (Intern)**

IT Development Spain, Granada, Spain

- Researched new technologies, software packages and hardware products for use in the company's projects
- Made code refactorings and optimized the corporate website
- Technology stack: Python, JavaScript, jQuery

Education

2015-10 - 2017-10   **Master of Science: Space Science, Technologies & Applications**

University of Peloponnese & National Observatory of Athens - Greece

- The first and only Higher Education Programme in Greece in the domain of Space
- Thesis: "Advancements in monitoring the Mediterranean Sea with the use of Copernicus data"

2007-10 - 2013-03   **Bachelor of Science: Computer Science & Technology**

University of Peloponnese - Greece

- Thesis: "CoveX: Quantum Circuit Simulator"
- Elected as Student's Representative for 4 consecutive years

Additional Training

QIntern 2021 Summer School
Implementation of space-efficient variational algorithms for the Graph Coloring & Traveling Salesperson problems in Qiskit
QWorld, Online, 1 July - 22 August 2021
Copernicus Marine Service for the Aquaculture Sector
European Space Agency, Athens, Greece, 24 - 25 September 2019
ESA Advanced Ocean Remote Sensing Training Course
European Space Agency, Porto, Portugal, 11 - 17 September 2017
Third International Ocean Colour Science Meeting
European Space Agency, Lisbon, Portugal, 15-18 May 2017
Quantum Complex Systems Summer School
University of Vienna, Austria, 22 - 26 September 2014
Workshop on Quantum Simulations
Universidad del Pais Vasco UPV/EHU, Bilbao, Spain, 22-25 October 2012

Certifications

2019-01   Microsoft Certified Trainer

2019-01   Microsoft Certified Solutions Associate: Web Development

2019-06   Microsoft Certified: Azure AI Engineer Associate

2019-06   NVIDIA Deep Learning for Computer Vision

2019-10	Microsoft Certified: Azure Data Scientist Associate
2021-06	IBM Certified Associate Developer - Quantum Computation using Qiskit v0.2X

Speaking Sessions

Diving into Quantum Computing with Q# and Azure Quantum
- Azure Community Conference 2021, Online, 29 October 2021, Workshop (120 minutes)

Welcoming the Quantum Era with Azure Quantum
- Microsoft Azure + AI Conference, Las Vegas, USA, 7 December 2021, Session (50 minutes)
- DeveloperWeek Europe, Online, 27 April 2021, Lightning Session (25 minutes)
- Global Azure Greece 2021, Online, 17 April 2021, Session (50 minutes)
- Global Azure Spain 2021, Online, 17 April 2021, Session (50 minutes)
- Global Azure Austria 2021, Online, 16 April 2021, Session (50 minutes)

The new Azure SDK for .NET
- Global Azure Verona 2021, Online, 16 April 2021, Session (50 minutes)
- IT PRO | DEV Connections 2020, Online, 12 December 2020, Session (45 minutes)

What exactly is Deep Learning?
- Athens Deep Learning Meetup, Online, 21 May 2020, Session (45 minutes)

Doing AI the Cloud Way: Enterprise Azure Machine Learning
- Microsoft Ignite the Tour, Amsterdam, Netherlands, 11 - 12 March 2020, Breakout Session (45 minutes)

Intelliwaste: An awarded integrated smart waste management solution powered by Azure
- Microsoft Ignite the Tour, Amsterdam, Netherlands, 11 - 12 March 2020, Theater Session (15 minutes)

Mentoring

Hack the Normal Hackathon | March 2021
Hack The Normal Africa focuses on the financial and sustainability problems facing the world and Africa. The hackathon examines the impact of sustainability of energy, water, food, and trade individually, socially, materially, and spiritually.

Programme X - Startup Namimbia Incubator | October 2020
Programme X is arranged for 150 early-stage startups and focuses on developing entrepreneurial, mindset, strategic thinking and leadership. It supports Namibian founders to turn their ideas into viable businesses and create solutions for their fellow countrymen.

#DFCHack: Diversity for Crisis Hackathon | October 2020
#DFC wants to create a global impact through unique projects that rely on diversity. The world is currently in a state of constant crisis, and needs OUR best to survive. Bringing together people from all around the world, brainstorm and come up with great ideas to make an impact are our main goals.

EUvsVirus Hackathon | April 2020

The European Commission, led by the European Innovation Council and in close collaboration with the EU member states, hosted EUvsVirus, a pan-European Hackathon and Matchathon to connect civil society, innovators, partners and investors across Europe in order to develop innovative solutions for coronavirus-related challenges.

Industry 4.0 Crowdhackathon | November 2019

SEV in partnership with Crowdpolicy, organized the 1st Innovation Marathon for Digital Industry Transformation. Industry 4.0 NOW Crowdhackathon is an open innovation initiative of SEV, aiming to bring the ecosystem of innovation and start-ups closer to the Greek industry and to explore the possibilities and scenes of digital conversion and innovative development of Greek businesses.

CityChallenge Crowdhackathon #SmartCity3 | May 2019

Central Union of Municipalities of Greece (KEDE) and Crowdpolicy organized the 3rd innovation hackathon on Smart Cities.

Crowdhackathon #Agrifood | April 20219

Ministry of Rural Development & Food and Crowdpolicy organized the 1st innovation hackathon on agriculture of Greece.

Other Volunteering

Trainer @ Social Hackers Academy

Social Hackers Academy is an NGO programming school for refugees & unemployed EU Nationals. Their aim is to educate, integrate and find employment for vulnerable groups around the world.

Organizer @ Athens Deep Learning meetup

Athens Deep Learning meetup is for Artificial Intelligence, Machine learning and Deep Learning enthusiasts who help each other by sharing their knowledge and create a strong community for AI in Greece.

Awarded Projects

Implementation of space-efficient variational algorithms for the Graph Coloring or Traveling Salesperson problems in Qiskit

- Awarded 3rd best project @ QIntern 2021 Summer School

Recently new space-efficient versions of Quantum Approximate Optimization Algorithm appeared for the Graph Coloring or Traveling Salesperson that uses much less qubits than the standard one. In this project, we developed software implementation for these new algorithms in Qiskit.

Intelliwaste

- Awarded 3rd place @ City Challenge Crowdhackathon #smartcity 2
- Awarded entry in Athens Digital Lab incubator
- Awarded entry in Smart City Innovation Lab incubator

Intelliwaste solution utilizes IoT Edge bins that accomplice waste classification at source using Deep Learning. The solution is backed by sophisticated software (analytics, route planning, and management), providing cities with data-driven decision making and optimization of waste collection routes, frequencies, and

vehicle loads.

Open Source Contributions

highlightjs-qsharp
- Implemented Q# syntax support for highlight.js

prismjs
- Implemented Q# syntax support for prism.js