

**Dear Hiring Committee,**

In today's technology-oriented era, computer science encompasses a wide range of topics and disciplines playing an essential role in shaping our modern world by studying computation, information processing, and developing innovative technologies that drive societal advancements. With its ever-evolving nature and extraordinary potential, computer science offers unlimited opportunities for exploration, innovation, and problem-solving. Hence, by pursuing higher qualifications, I aspire to nurture and enhance my research skills while heightening my understanding of the vast realm of computer science. The PhD position in the MCSA-DN VOCs Detection and Perception of Smiled Speech program at the University of Twente presents a unique opportunity to boost my practical skills and engage in innovative research in this field. I aim to develop strong collaborations to enrich my academic journey and contribute significantly to computer science as a professor and researcher. This priceless experience enables me to lead a dynamic research group, pushing the boundaries of knowledge and providing inspiration and guidance for successive generations of computer scientists. By pursuing this path, I am dedicated to contributing to advancing computer science and leaving an influential effect on the field.

Since my early years, I have maintained a profound fascination for computers, finding massive joy in exploring every facet of their existence. The memories of my initial encounter with gaming remain vivid, igniting a relentless curiosity to discover the inner workings of these marvels. That was magic to me. It's what pulled me into human-computer interaction, and I've been hooked ever since. My research has taken me into crowdsourcing systems, information retrieval, and natural language processing nothing exactly like smiled speech yet, but it's taught me how to dig into complex problems with curiosity and care. I've even got a paper in the Springer Computing Journal to show for it, which I'm pretty proud of! Now, I'm itching to turn my machine learning and natural language processing skills toward something as cool as decoding what makes a smile sound the way it does.

In my day job, I've been a Senior Back-end Developer at Arvin Pishgaman Fannavari Ronak (Uper), where we built a massive online shopping and social network app, with over a million users strong. One of my favorite wins was tweaking our file storage system to handle crazy amounts of data without breaking a sweat. It wasn't just about the tech; it was knowing that every fix made someone's day a little smoother. That mix of hands-on problem-solving and my coursework in Hands-On Natural Language Processing feels like the perfect prep for tackling the technical side of your project.

But here's what really gets me going: this research blends science and soul. Figuring out how smiled speech works feels like a chance to make tech more human, not less. I've always thought technology should bring us closer together, and this project is that idea in action. Sure, I've got the grades (like ranking first in Computer Systems Architecture) and the leadership (running the Scientific Association of Computer Science at Birjand), but it's the thrill of chasing big, meaningful questions that drives me.

I'd love nothing more than to join your team at Twente and roll up my sleeves on this. I think my skills, my experiences, and, honestly, just how much I care about this stuff make me a great fit. Thanks so much for taking the time to read this. I'd be over the moon to chat more about how I can pitch in, and I've got references from my professors ready to go if you'd like. Here's hoping I get to be part of this adventure!

**Take care,**

Seyyad Javad Bozorg Zadeh Razavi



# Seyyad Javad Bozorg Zadeh Razavi

**Date of birth:** 1997/03/03 | **Nationality:** Iranian | **Email address:** [javad.b.razavi@gmail.com](mailto:javad.b.razavi@gmail.com)

## EDUCATION AND TRAINING

2019/07/20 – 2022/09/21 Mashhad, Iran

**MASTER OF COMPUTER ENGINEERING** Ferdowsi University of Mashhad

**Website** <https://en.um.ac.ir/> | **Level in EQF** EQF level 7

2015/09/23 – 2019/09/23 Birjand, Iran

**BACHELOR OF SOFTWARE ENGINEERING (FIRST MAJOR - RECEIVED TWO BSC DEGREES SIMULTANEOUSLY (RESTRICTED TO TALENTED STUDENTS))** University of Birjand

**Website** <https://birjand.ac.ir/en> | **Level in EQF** EQF level 6

2015/09/25 – 2019/09/23 Birjand, Iran

**BACHELOR OF COMPUTER SYSTEMS ARCHITECTURE (SECOND MAJOR - RECEIVED TWO BSC DEGREES SIMULTANEOUSLY (RESTRICTED TO TALENTED STUDENTS))** University of Birjand

**Website** <https://birjand.ac.ir/en> | **Level in EQF** EQF level 6

## PUBLICATIONS

2023

**[A Clarity and Fairness Aware Framework for Expert Recommendation in Crowdsourcing Systems](#)**

In this article, we proposed a framework for selecting suitable workers in crowdsourcing by considering requester clarity and fairness. It uses a fuzzy model to evaluate task clarity and incorporates these metrics with task and worker attributes. The method outperforms existing approaches based on real-world data analysis.

B. Razavi, S.J., Amintoosi, H., Allahbakhsh, M., Springer Computing Journal

2023

**[SecVanet: provably secure authentication protocol for sending emergency events in VANET](#)**

The article presents a secure authentication protocol for vehicular ad hoc networks (VANETs), ensuring reliable communication between emergency and damaged vehicles. For example, an ambulance uses this secure authentication protocol to communicate with nearby vehicles and request them to clear a path during emergencies. Without this method, there is a risk of malicious attackers sending false signals, causing traffic confusion and delays. The protocol ensures only legitimate, authenticated messages are received, preventing such disruptions and ensuring timely emergency response.

Mousavi, A., Sirjani, M. Sadegh, B. Razavi, S.J., IKT Conference, Published, IEEE Index

2022

**[A Framework for Assessing the Clarity of Contributions in the Q&A System](#)**

Task description is the most important part of a job in crowdsourcing platforms by which workers get the meaning of the job. If this explanation is not clear, there will be ambiguity that will not satisfy the requester. In this article, we proposed a platform that computes the clarity of a requester.

B. Razavi, S.J., Amintoosi, H., Allahbakhsh, M., Computer Society of Iran Conference, Published, In Persian, ISC index

## LANGUAGE SKILLS

Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	C1	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Information Retrieval | Crowdsourcing and crowdsensing | Social Computing | Human-Computer-Interaction | Applied machine learning | Natural language Processing | Large Language Models | Microsoft Office | Google Drive | SQL | programming: Python, MATLAB and SQL | Git | Object-Oriented Programming | RESTful api | C# ASP.NET(core MVC & MVC 5) | JSON | Asp.Net Core (Entity Framework and MS SQL) | Web Development | Agile (Scrum) | C-Sharp | C++ | C | WEB DESIGN: HTML, SCSS, CSS, JAVASCRIPT, JQUERY, BOOTSTRAP, MATERIAL UI | Postman | PostageSQL | Web API

HONOURS AND AWARDS

2024/11/20

Reviewer of the 14th International Conference on Computer and Knowledge Engineering (ICCKE) – Ferdowsi University of Mashhad

Write here the description...

Received two BSc degrees simultaneously (Restricted to talented students)

First rank among BSc degree students in Computer Systems Architecture engineering

Among the top 15% of BSc students, Software Engineering

2020

Head of the Scientific Association of Computer Science of the University of Birjand (2018 - 2020)

2020

Judge of the Birjand University Annual ACM/ICPC (Sep 2018 - Sep 2020)

2019

The main member of the committee holding the 1st Conference of Healthcare Computing Systems and

2023

Participating at the ICCKE conference

2024

Efficiently Serving LLMs – DeepLearning.AI

2024

Hands-On Natural Language Processing – National Association of State Boards of Accountancy (NASBA)

WORK EXPERIENCE

2019/06/01 – 2020/08/01 Mashhad, Iran

SOFTWARE DEVELOPERS ARVIN PISHGAMAN FANNAVARI RONAK (UPER)

Uper is a super online shopping and social network application that includes various features such as buying and selling products, and multipurpose services. By creating your first page in Uper, you can easily do all your daily activities, for instance, communicating with friends, using social networks similar to Instagram, buying and selling any type of products similar to Amazon, providing and receiving services such as ride-hailing services similar to Uber, entertainment, etc. In this application, you can create a personal or a work page by which you can order things like food, clothes, shoes, etc., sell your products by posting pictures and videos, see others' posts, post comments, and all

other activities you need in a routine daily life. It is based on cloud computing technology and you can easily use it through the website or mobile application. In the back-end development, we have used various technologies, for example, ASP .NET Core 5 as the back-end framework, launching a standalone version of the Open Street Map for routing, experiencing real time communications over NATS & SignalR, automating deployment using GitLab CI/CD, implementing the most optimal file storage; applying compression without reducing file quality using FFPMEG and 7Z Lib, using SQL and NoSQL databases, for instance, Postgresql, SQL Server, MongoDB, DynamoDB and Redis to overcome the overload of huge population of users, over 1 M users.

My responsibilities included but were not limited to

- Senior Back-end Developer
- Software and database system design to meet 1M users
- Implement marketplace by using ASP .NET Core 5
- Launching a standalone version of the Open Street Map for routing
- Experiencing real-time communications over NATS & SignalR
- Implement the most optimal file storage; Apply compression without reducing file quality using FFPMEG, 7Z Lib, ...

2020/08/01 – 2021/08/01 Mashhad, Iran

## **SOFTWARE DEVELOPERS ARVIN PISHGAMAN FANNAVARI RONAK (UPER)**

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I was the CEO of the Uper Accounting application. It is an online accounting and financial management software based on cloud computing technology, which means that you can use all the features of powerful accounting software without the need to install it on your computer by only visiting the website's address. Cloud computing technology in integration with the concept of software as a service (SAAS, software as a service) provides the possibility for internet users to use it at a much lower cost without buying the ownership of powerful software and only by purchasing a subscription. have more facilities and without the need to allocate their resources to issues such as how to update the software, information security, backup, appropriate hardware, geographic restrictions, expert staff, etc., only focus on the proper use of such Put the software. We are one the most complete accounting software in Iran. I have attached multiple images from these two applications, and you can see them below. While you can download the mobile version of the Uper application or you may browse the main page of the Uper website, you cannot sign up because the policy of the company is that this application is restricted to Iranians at this moment.

## ● **RECOMMENDATIONS**

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**Mohammad Allahbakhsh** Associate Professor, Ferdowsi Univ. of Mashhad, Honorary Associate Professor, Macquarie Uni, AU

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His recommendation is attached.

**Email** [allahbakhsh@ferdowsi.um.ac.ir](mailto:allahbakhsh@ferdowsi.um.ac.ir)

**Haleh Amintoosi** Associate Professor at Ferdowsi Univ. of Mashhad

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Her recommendation is attached.

**Email** [amintoosi@um.ac.ir](mailto:amintoosi@um.ac.ir)

**Mehran Taghipour-Gorjikolaie** Senior Research fellow, London South Bank University (LSBU), UK

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His recommendation is attached.

**Email** [mtaghipour@birjand.ac.ir](mailto:mtaghipour@birjand.ac.ir)

Date:..... 20-02-2025

Number:.....

## Haleh Amintoosi

Associate Professor

Department of Computer Engineering

Faculty of Engineering

### To whom it may concern,

I am writing to recommend Mr. Seyed Javad Bozorgzadeh Razavi for attending to the University of Twente as a PhD student. Seyed Javad has been my student in the 'Secure Computer Systems' course (grade: 19.5/20) and 'Advanced Concepts in Computer Networks (grade: 19.5/20) during his MSc at Ferdowsi University of Mashhad.

Seyed Javad did his MSc thesis under my supervision. In his thesis, he proposed a novel model for worker recruitment in crowdsourcing systems in which, the clarity and fairness of the requester was considered. He defended his thesis with excellent quality and received 19 out of 20 from the referees.

Seyed Javad was punctual and very active in class. He was also evaluated through projects and presentations, in which he performed very well. He proved to be an intelligent and hard-working student while doing his thesis research who is always eager to learn new ideas. He has also been very supportive towards his fellow students.

For all these reasons, I am happy to strongly recommend Mr. Seyed Javad Bozorgzadeh Razavi to be the PhD student at your university. If I can be of further assistance, please do not hesitate to contact me.

Regards,

Haleh Amintoosi

Associate Professor

Ferdowsi University of Mashhad, Mashhad, Iran

<https://prof.um.ac.ir/amintoosi>

*H. Amintoosi*



Mohammad ALLAHBAKHSH

Associate Professor

Date: Thursday, 30 January 2025

To Whom It May Concern,

I am writing to recommend Seyyed Javad Bozorg Zadeh Razavi for admission to your PhD program in Computer Science. I had the pleasure of being Seyyed Javad's joint-supervisor for his master's thesis, and I was consistently impressed by his intelligence, work ethic, and research skills.

Seyyed Javad's research focuses on the area of expert recommendation in crowdsourcing systems. He has made significant contributions to this field, developing a novel framework for assessing the clarity of contributions in the Q&A system. This framework has the potential to improve the quality of information exchanged in crowdsourcing systems.

Seyyed Javad has published a paper to the Springer Computing Journal entitled "A clarity and fairness aware framework for selecting workers in competitive crowdsourcing tasks", which is a good JCR ranked journal (IF: 3.3). This paper proposes a framework for expert recommendation in crowdsourcing systems that is both clear and fair. This framework has the potential to make crowdsourcing systems more effective by ensuring that the most qualified experts are recommended for each task.

In addition to his research skills, Seyyed Javad is also an excellent programmer. He is proficient in a variety of programming languages, including C++, C#, Python, Matlab, and SQL. He has also worked as a teaching assistant and has a good ability to communicate technical concepts to others.

Seyyed Javad is a hard worker and is always eager to learn new things. He is also a team player and is able to work independently. I am confident that he would be a valuable asset to your PhD program. I highly recommend Seyyed Javad Bozorg Zadeh Razavi for admission to your PhD program in Computer Science. He is a bright, motivated, and hardworking student who has the potential to make significant contributions to the field.

Please feel free to contact me at [allahbakhsh@um.ac.ir](mailto:allahbakhsh@um.ac.ir) or [mohammad.allahbakhsh@mq.edu.au](mailto:mohammad.allahbakhsh@mq.edu.au) if you have any questions or need further information.

Yours Sincerely,

Mohammad ALLAHBAKHSH

Associate Professor, Computer Engineering Department, Ferdowsi University of Mashhad, Iran

And

Honorary Associate Professor, Macquarie University, Sydney, Australia

March 05, 2025

Dear Members of the Admissions Committee,

I am pleased to offer my strongest recommendation for Seyyed Javad Bozorg Zadeh Razavi, an exceptional candidate who has applied to your Ph.D. program at the University of Twente. I collaborated with Javad at the 1st Conference of Healthcare Computing Systems and Technologies, and as his former professor, I witnessed firsthand his stellar academic capabilities and research acumen.

As Javad's professor in several courses, including Statistics and Probability of Engineering and Economic Engineering, he proved himself a talented student who learned quickly and participated in class questions and answers. His keen intellect and knack for problem-solving were fully displayed. He consistently devised creative, optimal solutions to complex math challenges on examinations. Beyond mere academics, Javad's active participation enriched class discussions with thoughtful questions, demonstrating his insatiable curiosity and proactive mindset. He furthered his learning by driving such meaningful engagement and meaningfully contributed to his peers' educational experience.

As the Executive Chair of the Conference on Healthcare Computing Systems and Technologies, I had the pleasure of working with Javad as the senior member of the holding committee. Javad was instrumental in the success of this event as a member of the core technology committee. He demonstrated exceptional leadership, coordination, and problem-solving skills under pressure when addressing the many logistical challenges.

Javad's remarkable talents as a researcher particularly shone through during his master's thesis work on the intersection of crowdsourcing, machine learning, and natural language processing techniques. He spearheaded the meticulous design and skilled implementation of a novel crowdsourcing platform in the field of task assignment. He has proven himself an adept researcher, creatively applying crowdsourcing and machine learning to address real-world problems. I am confident he has the diligence, intellectual brilliance, and passion to thrive at the forefront of this rapidly evolving field. Additionally, he has published two conference papers and submitted a journal paper to Springer Computing Journal.

In summary, Javad boasts a rare fusion of academic excellence and hands-on experience that renders him an ideal Ph.D. candidate. His enduring love of learning, dedication to education, and commitment to research will undoubtedly invigorate your program. I am pleased to offer my strongest endorsement of Mr. Seyyed Javad Bozorg Zadeh Razavi, and I fully believe he will excel in your esteemed academic environment.

Please feel free to contact me at [m.taghipourgorjikelai@surrey.ac.uk](mailto:m.taghipourgorjikelai@surrey.ac.uk) if you have any further questions or require additional information regarding Javad.

Sincerely,  
Dr. Mehran Taghipour-Gorjikelai  
Assistant Professor  
Faculty of Electrical and Computer Engineering  
University of Birjand