

ROZHIN BAYATI

Computer Science Graduate

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PROFILE

I am a Computer Science graduate, with a background in software development and data science. I have experience in both academia and industry. I have experience in frontend and backend development, as well as data analysis and machine learning. I am now looking to bring my expertise to a team where I can work on exciting and challenging projects and continue to grow professionally.

EXPERIENCE

Student Intern Software Developer

Tideways GmbH

📅 Oct 2020 - Aug 2023 📍 Bonn, Germany

- Converted over 100 React components from JavaScript to TypeScript.
- Tested React components with snapshot tests using Jest.
- Frontend/Backend development using React, integrated with PHP/Symfony backend, and optimized database communication with MySQL/SQLite.

Student Assistant

DFG Cluster of Excellence PhenoRob, Institute of Crop Science and Resource Conservation, University of Bonn

📅 Nov 2021 - Apr 2022 📍 Bonn, Germany

- Conducted data classification using machine learning and deep learning techniques.
- Conducted Research on Bee acoustical data analysis as a part of interdisciplinary project between computer science and crop science
- Implemented audio data processing techniques to extract meaningful insights from acoustic datasets.

Informatics Specialist

SharifStar, Sharif University of Technology Service Complex

📅 Aug 2018 - Jun 2019 📍 Tehran, Iran

- Created user-friendly interfaces and optimized performance to enhance user experience and engagement.
- Assessed and troubleshooted website technical issues, identifying root causes and finding effective solutions.

Junior Software Developer

6thSolution Technologies

📅 July 2016 - July 2017 📍 Tehran, Iran

- Designed and developed software applications from concept to deployment.
- Conducted research in computer science and engineering topics, especially in natural language processing to support project development.

Teaching Assistant

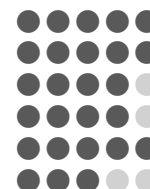
Sharif University of Technology

📅 Sep 2015 - Feb 2016 📍 Tehran, Iran

- Assisted in the "Principles of Computer Systems" course by designing exercises and exam questions, grading assignments, and contributing to the development of course materials.

STRENGTH

Machine Learning
Image/Audio Processing
Web Development
Research
Programming
Data Science



PROGRAMMING LANGUAGES

Python Java JavaScript
TypeScript PHP/Symfony C & C++

TECHNICAL SKILLS

MySQL SQLite Matlab R
LaTeX HTML Github CSS
Scipy

SOFT SKILLS

Team-work Creative Thinking
Multi-tasking
Independent problem solver
Time management Organisational skills
Interpersonal Communication

LANGUAGES

English
German
Persian



HOBBIES

Reading Drawing Watching Movies
Kungfu Cooking Games Puzzles

EDUCATION

Master's Degree, Computer Science

University of Bonn, Bonn, Germany

📅 Oct 2019 - May 2024 📍 Bonn, Germany

- Grade : 1.9
- Thesis: Comparative Analysis of Acoustic Bee Classification Approaches.

Bachelor's Degree, Computer Science

Sharif University of Technology

📅 Sep 2014 - Jun 2019 📍 Tehran, Iran

- Grade : 2.4

High School Diploma, Mathematics

Farzanegan 4 High School of Karaj

📅 Sep 2010 - May 2013 📍 Karaj, Iran

- Grade : 1.2

RESEARCH INTERESTS

- Machine Learning and its applications in data classification and analysis
- AI-driven solutions for ecological and environmental challenges
- Audio and Image Processing
- Ethics in Artificial Intelligence
- Quantum Computing

REFERENCES

Prof. Dr. Kurth

✉ frank.kurth@fkie.fraunhofer.de

📍 Fraunhofer-Institut für Kommunikation, Informationsverarbeitung und Ergonomie (FKIE)

Dr. Sabine Seidel

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📍 University of Bonn Institute of Crop Science and Resource Conservation Crop Science Group

Benjamin Eberlei

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