

Hossein Razizadeh

Skills

- Computer Skills Programming Languages: **C++, C, Python**
Technologies: **Linux, Docker, Kubernetes, gRPC, OpenCV**
- Analytical Skills **Data Structure, Design and Analysis of Algorithms, Design Patterns, System Design, Artificial Neural Networks, Genetic Algorithm, Reinforcement Learning, Image Processing**

Experience

- 2022–2024 **Senior Software Engineer**, OVOU, Vancouver, Canada.
OVOU Inc. specializes in digital business cards designed to optimize professional networking. In this role, my key contributions included:
- **Back Office System Design and Implementation:** Led the design and implementation of a comprehensive back-office system within Zoho tailored for the fulfillment team. This initiative significantly enhanced operational workflows and productivity.
 - **Backend Development:** Worked on the backend team using Django and Django REST Framework to develop and maintain APIs. Responsibilities included refactoring existing code, implementing new API functionalities, and managing data migrations to improve data handling and system stability.
- 2016–2021 **Senior Software Engineer**, CAFE BAZAAR, Tehran, Iran.
Cafe Bazaar is Iran's leading consumer internet company, hosting the most popular smartphone application marketplace for Persian-speaking countries with over 40 million users.(C++, Python, Docker, Kubernetes, gRPC)
- **Computer Vision Service Development:** Collaborated with Data Scientists to create and maintain machine learning models, playing a key role in back-end development for computer vision services.
 - **Accuracy in POI Extraction:** Achieved a 98.5% accuracy rate in extracting Points of Interest (POI) from images captured by street-imaging cars, utilizing a combination of automated models and human annotations.
 - **Street Imaging Project Management:** Led the "Street Imaging" project, developed a Windows application to handle image capture at 30 fps from three cameras on moving vehicles, and managed the acquisition and processing of over 200 million high-quality street images to enhance the "Balad" map's POI database.
- 2014–2016 **Senior Software Engineer**, SABZ BIOMEDICALS, Tehran, Iran.
Designed and developed high-performance software for karyotyping and 2D gel image analysis in medical laboratories.
- 2007–2008 **Software Engineer**, POOYA FANAVARAN KOSAR, Tehran, Iran.
Developed core of mobile(in-car) speed camera system in C++
- 2005 **Software Engineering Internship**, RABI KOSAR, Tehran, Iran.
Developed code to receive high-speed signals without loss from DSP boards to PC using C and Embedded-C.
- 2003–2016 **Computer Group Manager and Lecturer**, ALLAMEH HELLI HIGH SCHOOL, Tehran, Iran.
Managed a team of 10 computer science teachers and taught courses in Programming, algorithms and data structures.

Awards and Honors

- 2005 **1st Place**, *RoboCup 3D Soccer Simulation League*, Osaka, Japan.
- 2007 **5th Team Rank**, *ACM International Collegiate Programming Contest (West Asia Region)*, Tehran, Iran.

Education

- 2013–2016 **MSc in Computer Science (Decision Sciences and Knowledge Engineering)**, *The University of Tehran*, Tehran, Iran.
Thesis: Development and Implementation of an Image to Speech System to be used in Persian language.
- 2003–2009 **BSc in Computer Engineering**, *Amirkabir University of Technology, Tehran Polytechnic*, Tehran, Iran.
Thesis: Evaluation of reinforcement learning algorithms on control problems with delayed reward signals.

Languages

English Persian Azerbaijani