

Borna Barahimi

Education

2018–2022 **B.Sc. Computer Science**, *University of Tehran* (*among Iran's three best universities*),
Tehran, Iran, *CGPA: 3.55/4 (CGPA last four semester: 3.73/4)*

Test Scores

English Proficiency **IELTS Band Score 8 (L: 8.5, R: 8.5, W: 7, S: 7)**

GRE Quant: 167, Verbal: 147, Writing: 4

Publications

- Cyrus 2d simulation team description paper 2019. RoboCup
- Fury 2d simulation team description paper 2016. RoboCup 2016 Symposium and Competitions: Team Description Papers, Leipzig, Germany

Awards and Honors

- Second Place in *Tehran Mental Health Electronics Startup Weekend 2019*, University of Tehran
- First place in Soccer Simulation League in *RoboCup Asia-Pacific 2018*, Kish, Iran
- Rank 389 among 145,000 participants in *the Iranian university entrance exam 2018* for bachelor's degree
- Second Place in Soccer Simulation League in *NasirCup2017*, K. N. Toosi University of Technology
- Forth place in Soccer Simulation League in *RoboCup2017*, Nagoya, Japan
- Winner of The Technical Challenge in Soccer Simulation League in *IranOpen2017*, Tehran, Iran
- First place in Soccer Simulation League in *ShirazOpen2016*, Shiraz University of Technology
- *Best New Team* in Soccer Simulation League in *RoboCup2016*, Leipzig, Germany

Professional Experiences

- July 2019 – **Backend Developer**, *VClinic*, Tehran, Iran
- July 2021 Responsible for designing MongoDB databases especially the ones related to electronic health record, creating API services, educating interns, on boarding of new members, interviewing, and more
- Oct 2016 – **Robotics Programmer**, *AE High School*, Tehran, Iran
- July 2019 Responsible for designing and developing algorithms for simulated agents in order to make them behave properly in the simulated soccer field

Teaching Experiences

- Sep 2021 – **Teacher Assistant**, *University of Tehran*, Tehran, Iran
- Feb 2022 Theory of Computation Course by Dr. Mojtaba Mojtahedi
- Aug 2020 – **Teacher Assistant**, *Karyar College*, Tehran, Iran
- Present I taught Programming courses for underprivileged college students (Python, C, HTML, CSS).

Volunteer Experiences

- Aug 2020 – **Teacher Assistant Representative**, *Karyar College*, Tehran, Iran
- Present Responsible for holding TAs' meetings and participating in planning meetings to provide better technical education for students
- May 2019 – **Community Representative**, *Computer Science Academic Association, University of Tehran*, Tehran, Iran
- Oct 2020

Notable Projects

- Parkinson's disease detection** *Implementation of a classification model for detecting Parkinson's disease based on online handwriting records*
- Clique Classifier** *Implementation of a classifier based on a grid-based clustering algorithm*
- Compiler Project** *Development of COOL programming language compiler*
- Suffix Tree** *Implementation of a tool for working with suffix trees*

Skills

- Programming Languages** Python, C++, R, \LaTeX , Ruby, JavaScript, Bash
- Databases** SQL, MongoDB, Redis
- Web Development** Node.js, HTML5, CSS, Express.js, Docker, React.js, Ruby on Rails, JQuery, Webpack
- Data Mining** numpy, pandas, scikit-learn, keras, TensorFlow
- Industry Knowledge** Agile Development, Object-Oriented Programming (OOP), Web Development, Model-View-Controller (MVC), REST API Development, Design Thinking

Selected Courses

- Artificial Intelligence: A+
- Bio-Computing (Nature-Inspired Optimization Algorithms): A+
- Compiler: A+
- Statistical Methods: A
- Design and Analysis of Algorithms: A
- Data Structures and Algorithms: A
- Strategic Games 1 (Game Theory): A+
- Biology Meets Programming: Bioinformatics for Beginners: Coursera
- Data Mining: A+
- Database Management Systems: A+
- General Biology: A
- Advanced Programming: A

References

Dr. Bagher Babaali, *Assistant Professor*, College of Science, University of Tehran
Email: babaali@ut.ac.ir

Mr. Nader Zare, *Teacher/Team Leader*, Team Leader of Cyrus RoboCup Team
Email: nader.zare@dal.ca