

Borna Barahimi

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Education

2018–2022 **B.Sc. Computer Science**, *University of Tehran (among Iran's three best universities)*,
(Expected) Tehran, Iran, *CGPA: 3.55/4 (CGPA last four semester: 3.66/4)*

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
 Present Theory of Computation Course
 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 using self-supervised and transfer learning (in progress)*
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

- Biology Meets Programming: Bioinformatics for Beginners: Coursera
- Compiler: A+
- Statistical Methods: A
- Data Structures and Algorithms: A
- Advanced Programming: A
- Data Mining: A+
- Database Management Systems: A+
- General Biology: A
- Design and Analysis of Algorithms: 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