



Full Name: Aydin Ayanzadeh

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Nationality: Iranian

Education:

- **B.Sc.** Faculty of Mathematical Sciences, Department of computer science, University of Tabriz, Tabriz, Iran, **Overall GPA to date: 14.58 out of 20.0 / 2.92 out of 4**
- **B.Sc. project: Image edge detection using ant colony optimization algorithm.**
In this project, I present a modified method for image edge detection based on the Ant Colony Optimization. I have large number of experiments to find out the suitable threshold for proposed method. I prove my work through results of experiment and clearly indicate how the ACO can extract edges in efficient way. (I have an International conference publication base on my B.Sc. project).

Research interests:

- Image processing Systems
- Computer vision
- Machine learning
- Pattern Recognition
- Artificial intelligence
- Bioinformatics

Special Skills:

- **Programming Languages:** C, Java, C#, PHP, CSS, Matlab, Android, ASP
- **Microsoft Networks:** Network+ , Windows 8, Windows server 2012, Active Directory, Lync server, TMG Server 2012.
- **CISCO Networks:** CCNA, CCNP
- **Network Software:** Packet Tracer, Wireshark
- **Statistics Software:** SPSS, Minitab
- **Software Packages:** Microsoft Office (Excel, Word, PowerPoint, Access), Adobe Photoshop
- **Operating Systems:** Windows, Linux

Work Experience /Activity/ Certificate:

- Member of Image Processing Team, University of Tabriz, April 2015-present

- Secretary of the Scientific Association at Computer Science Department, Faculty of mathematical sciences, university of Tabriz, September 2014-2015
- Executive Secretary Of Committee in the Second Computer Science Conference on Computer and Information Technology, University of Tabriz, November 2014
- Member of Executive Secretary Of Committee in The 20th International Symposium on Computer Science and Software Engineering (CSSE 2015), University of Tabriz, [August 2015](#)
- Workshop certification "**Software Security, Virus Diagnostics and Analysis**". the Second Computer Science Conference on Computer and Information Technology, University of Tabriz, November 2014
- Workshop certification "**Does and Don't in Secure Coding**". the Second Computer Science Conference on Computer and Information Technology, University of Tabriz, November 2014
- Workshop certification "**Practical Solutions to Mitigate Attacks on Computer Networks**". The 20th International Symposium on Computer Science and Software Engineering (CSSE 2015), University of Tabriz, [August 2015](#)
- Workshop certification "**Software Test and Quality Engineering**". The 20th International Symposium on Computer Science and Software Engineering (CSSE 2015), University of Tabriz, [August 2015](#)
- Certificate of presentation at IEEE2015, 2nd International Conference On Knowledge-Based Engineering and Innovation (KBEI 2015), Copyright Notice is: 978-1-4673-6506-2/15-\$31.00 2015 IEEE.
- Certificate of presentation at the international conference in New Research of Electrical Engineering and Computer Science, License Number: COMCONF15-12980920. September 2015.

Honors/ Awards

- Candidate as privileged article in the International Conference in New Research of Electrical Engineering and Computer Science entitled: "Gaussian Three-Dimensional kernel SVM for Edge Detection Applications", September 2015.
- One of the top 5% students in the nationwide university entrance exam among more than 300000 participants, June 2011.

Publications and Conference Paper:

- Ayanzadeh, A., Pourghaemi, H., & Seyfari, Y. (2015, November). A modified ant colony based approach to digital image edge detection., **IEEE Conference Publications**, In 2015 2nd International Conference on Knowledge-Based Engineering and Innovation (KBEI) (pp. 504-509). **IEEE**.
- Safar Irandoust-Pakchin, Aydin Ayanzadeh, Siamak Beikzadeh. "Gaussian Three-Dimensional SVM kernel for Edge Detection Applications ", the International Conference in New Research of Electrical Engineering and Computer Science (September 2015).
- Published conference paper in the International Congress on Management, Economy and Business Development 28/10/2015, with title: The Investigation and Ranking of The Effective Factors on Customers' Loyalty of Laleh-Park using AHP

Current Research and Working Projects:

- **"Speed Up Ant Colony Optimization in Image Edge Detection with Parallel Programming."**
Advisor: Mr. Yousef Seyfari (Ph.D. Student at Tabriz university), and work with Hossein Pourghaemi (M.Sc. Student at ITU) Fall 2016-2017, present

Language Proficiency:

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|----------------|------------------------|
| • English: | Good |
| • Turkish: | Fair |
| • Azerbaijani: | Mother Tongue |
| • Persian: | Second language |
| • Arabic: | Fair |

Extracurricular Activities:

- Watching TV(News, documentary and sport programs),
- Reading novel books, Reading books about management and business.
- Photography, playing Football, Swimming.
- Creating and designing website in my free time.

References:

Dr. Jaber Karimpour
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Dr. Habib Izadkhah
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