

# Oğuz Demir

## Computer Science

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<http://oguzdemir.github.io/>

### Education

- 2014 – 2018 **Faculty of Engineering, Bilkent University, Ankara.**  
(Expected) B.S. in the Department of Computer Engineering
- Advisor: Asst. Prof. Selim Aksoy
  - CGPA: 3.9/4.0
  - Change of major from Electrical and Electronic Engineering (2014)
- 2008 – 2012 **Atatürk Anatolian High School, Ankara.**
- Area of study: Math and science
  - Ranked 90<sup>th</sup> in Nationwide University Entrance Exam (2012)

### Skills

- Computer Languages Java, C++, C, VERILOG, MIPS Assembly, MATLAB, JavaScript, AngularJS
- Software JAVA IDE Programs (Eclipse, JCreator), C++ IDE Programs (CodeBlocks, Dev C++), Xilinx ISE Design Suite
- Platforms & Tools Windows & MS Office, Linux, Adobe Photoshop, Google Docs, Open Office, Prezi
- Languages Turkish (Native), English (Professional Proficiency, IELTS:7.5)

### Honors & Scholarships

- 2013 – **High Honor roll, Bilkent University, Ankara.**  
present
- 2012 – **Comprehensive Scholarship, Bilkent University, Ankara.**  
present
- 2012 – **Turkish Prime Ministry Scholarship.**  
present

### Internships & Projects

- July-August 2015 **Summer Intern, Aerospace Engineering, University of Texas at Austin, TX.**
- Worked for 'Autonomous Guidance and Control Laboratory' under supervision of Asst. Prof. Behçet Açıkmış
  - Developed a simulation environment in C++ programming language for a swarm of agents moving in a velocity field. This software can simulate a large number of agents and determine agent densities/collisions in a very short time.

June 2015 **Summer Intern**, *Zirve Information Systems, Ankara.*

- Developed welcome page applications for the main project of the company using JavaScript and AngularJS.

Spring 2014 CS102 - Physics simulator design: A program was written on Java Environment to simulate projectile motion and momentum principles in a visual way by utilizing adjustable moving objects and obstacles in a prescribed experiment area. The physics engine for the collisions and movement of the objects was also created.

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## Organizations & Memberships

2014 – 2015 **International IEEE Member**, *Bilkent University, Ankara.*

- Bilkent IEEE Student Branch Graphic Design Coordinator
- Road to University 14' volunteer: Guided the prospective students about engineering & campus life

2014 – 2015 **Graphic Designer**, Designed posters, handouts and various visual media for the organizations & meetings.

- Bilkent University Music Club
- Bilkent University Chess Club

2008 – 2012 **RadyoAAAL**, Co-founder of the internet radio station, was responsible for SHOUTcast hosting and broadcasting.