N. Çağatay Gürsoy | Curriculum Vitae

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Electrical and Electronics Engineer pursuing a Master's Degree in Cognitive Science. Passionate about science, transforming fuzzy data into tidy data, machine learning and artificial intelligence with strong technical, business, and interpersonal skills for working in a team and successfully completing any given task or project.

Employment

Armin Electric Construction Co.   **Ankara**
Tendering and Project Engineer   *July 2016 - February 2018*

I was responsible for the administrative duties for the projects that were already going on. This involved occasional site visits, whereas my main focus was preliminary planning of the sites and scheduling the future work which will be implemented on sites. Moreover, my second responsibility was to seek future prospective projects and preparing offers for tenders.

Bilkent University Department of Computer Science   **Ankara**
Teaching Assistant for CS 114 - Programming for Engineers II   *September 2015 - January 2016*

I worked as a Teaching Assistant during lab hours. The course was focused on JAVA.

Ritso Biomedical Software Co.   **Ankara**
Software Engineering Intern   *June - September 2014*

I spent three months working as a software engineering intern as part of my undergraduate internship. Ritso is a start-up company, mainly focused on MATLAB based Dental Imaging. I worked on digital dental images and image recognition/similarity algorithms. Apart from that I worked on HTML/PHP/Javascript based web applications.

Bilkent University Department of Computer Science   **Ankara**
Teaching Assistant for CS 113 - Programming for Engineers I   *June - August 2014*

I worked as a Teaching Assistant during lab hours. The course was focused on MATLAB.

Turkish Aerospace Industries(TAI)   **Ankara**
Space Systems Engineering Intern   *June - July 2013*

I spent one month working as a quality assurance engineer intern as part of my undergraduate internship. TAI is one of the leading defence industry companies in Turkey. I was assigned to the quality assurance unit of the space systems. I have worked on international quality assurance standards and at the end of the internship I proposed a solution to optimize the business process undergoing in my unit.

Bilkent University Department of Electrical and Electronical Engineering   **Ankara**
Teaching Assistant for EEE 211 - Analog Electronics   *February - May 2013*

I worked as a Teaching Assistant during lab hours. The course was focused on building an analogue radio.

Military Status

○ Postponed until June 2020

Education

Middle East Technical University — **Ankara**
MSc. Cognitive Science, — *February 2017 - Present*

Bilkent University — **Ankara**
BSc. Electrical and Electronics Engineering, — *September 2011 - January 2016*

Gurcag Private High School — **Ankara**
Science High, — *2007 - 2011*

Notable Projects

- **Thesis Research Project:** *'Cross-Age Effect in Neural Networks: A Study on Facial Age Recognition Bias in Neural Networks'*

  Ongoing research project in METU CogSci Department. Presented in Second Open Resarch Day of METU Informatics Institute in May 2018. Awarded with a Special Mention.

- **Computational Neuroscience Course Project:** *'Analysing Structural Connectivity by Diffusion Tensor Imaging with Tractography on Structural MRI Data'*

  Final project of Computational Neuroscience course, January 2016.

- **Senior Project II:** *'Project Marconi – Digital DBPSK Radio'*

  In VHDL, with analog circuit design elements, January 2016

- **Senior Project I:** *'FPGA Based Number Recognition System'*

  In VHDL, using Basys2, May 2015

- **Wireless Technologies Course Project:** *'In-Class Application Providing Interaction among Professors and Students in a Specified Wireless Local Area Network'*

  In PHP, HTML and Javascript, May 2015

Technical and Personal skills

- **Spoken Languages:** English(Full Professional Proficiency), Turkish (Native), German(Basic)

- **Programming Languages:** Proficient in: Java, Python, MATLAB, VHDL
  Also basic to mid-level ability with: SPSS, Assembly, VBA, TeX, Arduino, C, Spice Circuit Simulators

- **Industry Software Skills:** MATLAB/Simulink (Advanced), BPMOne (Intermediate), LTspice (Intermediate), MS Office (Advanced).

- **General Business Skills:** Good presentation skills, Works well in a team.

Test Scores

- **TOEFL (November 2015):** 98 = Reading: 28 / Listening: 27 / Speaking: 22 / Writing: 21

- **ALES (November 2015):** SAY - 80 / EA - 82

Memberships, References and Certificates

Membership

- Bilkent Photography Club

References

- References available from colleagues and academics on request.

Certificates

- Bilkent University, Department of Electrical and Electronical Engineering, 2015-2016 Fall Semester Honour List.
- First Aid Certificate, 16-17 May 2017, Donusum Ilkyardim Egitim Merkezi.