

Ömer Çağrı Dala
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WORK EXPERIENCE

2020 –	Ankara Science University Software Engineering Research Assistant
2018 – 2020	University of Turkish Aeronautical Association Computer Engineering Research Assistant
2015 – 2 mo	NaNoTeK Test & Measurement Engineer - Calibration
2014	Argemet Medical Electronics Design (Semester internship)
2012	29 Mayıs TDV Hospital Biomedical Department (Summer internship)

EDUCATION INFORMATION

2021-	Atılım University Computer Engineering Department – Master’s Degree (Thesis)
2016-2018	Middle East Technical University Computer Engineering Department – Master’s Degree (Non-thesis)
2005-2014	Başkent University Biomedical Engineering Department
2005-2007	Başkent Univ., Electrical and Electronics Engineering (Common courses were taken, later decidedly not applied to a Double-Major Program)
2003	Ankara Atatürk Anadolu Lisesi Mathematics-Science Program
1999	TED Ankara College

GRADUATION PROJECT

Topic: Production of Plasma Based Device for Generation of Nanoparticles under High Voltage

By targeting the application of Dense Medium Plasma (DMP) method, a device for setting up this plasma medium under influence of high voltage, generating plasma arcs, was designed and a prototype unit was produced. Power and control electronic circuits of this system were subjected to tests. Them and the related components were approved for carrying out their necessary tasks.

(The DMP method, when compared to other plasma technologies, provides a significantly higher efficiency in processing of liquid phase materials.)

Steps Followed:

- Using the PCB Layout schemas, necessary inventory items and printed circuits were ordered
- Three (one with a high voltage output) transformers were designed and acquired

- After the connection of Transformers, electronic circuits were tested for their generation of necessary signals
- Dense Medium Plasma probe was produced reviewing its design principles

REALIZED PROJECTS THROUGH TAKEN COURSES

Instrumentation – Heat sensor design

Medical Electronics – Chebishev and Butterworth filter design

Microprocessors – Analog/Digital Converter and LCD Voltage Indicator design

COMPUTER KNOWLEDGE

Operating Systems: Windows XP, 7, 10 (very high level), Linux (medium level)

Programming Languages: MikroC, Matlab, PIC Programming, JAVA

Package Software: Excel, PowerPoint, Word, Corel Draw, AutoCad

FOREIGN LANGUAGE KNOWLEDGE

English: Speaking (good), Writing (good)