Şakir Kaan Çetindağ

Electrics & Electronics/Biomedical Engineer

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https://kaancet.github.io/

PROFILE

An all-around electronics engineer experienced in final product oriented design, who is interested in *in-vivo* medical applications and diagnostic/modulation processes. Actively looking for a PhD position in neuromonitoring/neuromodulation/neuroengineering field and is ambitious to be a part of an active group in a diverse and challenging research environment.

EDUCATION

Istanbul Technical University, Electronics and Comm. Dept., Istanbul – *MSc Biomedical Engineering*
SEPTEMBER 2015 - JUNE 2017 (Expected)
Related Courses
Signal and Image Processing, Biomedical Signal Processing, Planar Waveguides and Integrated Optics, Biomedical Instrumentation

Koç University, College of Engineering, Istanbul – *BSc Electrical & Electronics Engineering*
SEPTEMBER 2011 - AUGUST 2015
Related Courses
Digital Signal Processing, Micro Electro-Mechanic Systems (MEMS), Introduction to Optics, Physiological Psychology, VLSI Design, Embedded Systems,

American Collegiate Institute (ACI), Izmir – *Science & Math (MF) Track*
SEPTEMBER 2007- JUNE 2011

TECHNICAL SKILLS

Proficient in C, MATLAB, LTSpice, Python
Intermediate in LabVIEW, C++, VHDL, Verilog, COMSOL
Beginner in R, Java, HTML

LANGUAGES

Turkish (Native language)
English (Fluent)
- IELTS Score: 8/9

German (Beginner)

TECHNICAL EXPERIENCE

ITU Optoelectronic Devices Lab, Istanbul – *Research Assistant*
SEPTEMBER 2015 – PRESENT

- High resolution, large spectral range speckle spectrometer to be used in OCT
- Integrated optics based refractive index sensor

University of Twente, Enschede, Netherlands – *Research Intern*
AUGUST 2016 – SEPTEMBER 2016

- Spinal Cord Stimulation modeling on MATLAB and COMSOL
- NeuroAssyst Toolbox

KOC OML Lab, Istanbul – *Undergrad Research Assistant*
FEBRUARY 2015 – APRIL 2015

- Fiber optic coagulation rate sensor

Pubinno, Istanbul – *Embedded Systems Engineer*
OCTOBER 2015 – AUGUST 2016

- Creating libraries for implementing the GPRS connection of the device.
- Designed and implemented the UI/UX of the device.

TEKSAV, Izmir – *Intern*
JUNE 2014 – AUGUST 2014

- Implemented a Kalman filter on a PIC to reduce the noise in the acquired ECG signal

ACTIVITIES

- **Amateur drummer and sailor**
- **Licensed Basketball player**
  2005 – 2010
- **Koc University KURadio member**
  2011 - 2015, **"Cogito"**
- **Koc University IEEE Club Member**
  2011 – 2015

REFERENCES

Fehmi Civitci, PhD
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