

ALPEREN GORMEZ

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EDUCATION

University of Illinois at Chicago

Ph.D. Electrical and Computer Engineering

Chicago, IL

Aug 2019 – Present

- **Cumulative GPA: 4.0 / 4.0**

- Relevant Coursework: Digital Signal Processing II, Digital Communications, DeepMind Advanced Deep Learning & Reinforcement Learning

- GRE: Q-170, V-154, W-3.5

- TOEFL iBT: 106/120

Bilkent University

B.S. Electrical and Electronics Engineering

Ankara, TURKEY

Aug 2015 – June 2019

- Relevant Coursework: Statistical Learning and Data Analytics, Neural Networks, Artificial Intelligence, Digital Signal Processing, Fundamental Structures of Computer Science, Probability and Statistics, Linear Algebra & Differential Equations

PROFESSIONAL EXPERIENCE

University of Illinois at Chicago

Teaching Assistant

Chicago, IL

Aug 2019 – Present

- Teaching students MATLAB programming in the laboratory sessions of Digital Signal Processing I course

ASELSAN

Candidate Engineer

Ankara, TURKEY

Feb – May 2019

- Used neural networks to classify the sounds received by a passive sonar

- Worked on the visualization of the data collected by ultrasonic sensors

- Implemented sonar signal processing algorithms for the acoustics signal processing department

Argela

Computer Networks Intern

Ankara, TURKEY

Jan – Feb 2018

- Wrote Python programs in Linux for transferring files automatically between servers

- Contributed to the DSL-LTE Bonding Project by writing small Python scripts to monitor the internet speeds of customers

- Led the team in automated testing processes using Robot Framework

Lumos Laser

Embedded Systems Intern

Ankara, TURKEY

June – Jul 2017

- Optimized and simulated the data transfer between a computer and an FPGA of a fiber laser system

RESEARCH EXPERIENCE

University of Illinois at Chicago

Research Assistant

Chicago, IL

Aug 2019 – Present

- Working on adaptive neural networks under the supervision of Prof. Erdem Koyuncu to decrease the computational complexity while preserving the classification accuracy in an image classification task

Nagoya University

Research Student

Aichi, JAPAN

May – Jul 2018

- Conducted research about pattern recognition and anomaly detection under the supervision of Prof. Kenji Mase

SKILLS & INTERESTS

- **Languages/Technologies:** Proficient in Python, MATLAB, C; familiar with Java, C++, Julia. Experienced with Linux, Anaconda, TensorFlow, NumPy.

- **Interests:** Chess (UIC Chess Club), Formula 1 (damalibayrak.com), paragliding, neural networks

HONORS & AWARDS

- **Bilkent University Honor Student** – High academic standing

2015-2019

- **Bilkent University Comprehensive Scholarship** – Full tuition waiver and stipend during the B.S. program

2015-2019

- **LYS Degree** – Ranked 341st in Turkey's National University Entrance Exam among over 2 million students

2015