

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: Neural Networks, DeepMind Advanced Deep Learning & Reinforcement Learning, Algorithms I, Convex Optimization, Digital Signal Processing II, Statistical Digital Processing, Digital Communications, Random Signal Analysis

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

RESEARCH EXPERIENCE

University of Illinois at Chicago

Research Assistant

Chicago, IL

Aug 2019 – Present

- Working on adaptive inference and model compression with Prof. Erdem Koyuncu to decrease the computational cost of deep learning systems while preserving the performance
- Evaluating different approaches such as knowledge distillation and conditional computation using PyTorch

Nagoya University

Research Student

Aichi, JAPAN

May – July 2018

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

WORK EXPERIENCE

University of Illinois at Chicago

Teaching Assistant

Chicago, IL

Aug 2019 – Present

- Taught MATLAB programming in the laboratory sessions of the Digital Signal Processing I course (Fall '19 and Spring '20)
- Helping undergraduate students with MATLAB in the Communication Engineering course

ASELSAN

Candidate Engineer

Ankara, TURKEY

Feb – May 2019

- Built neural networks in TensorFlow and classified 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 – July 2017

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

SKILLS & INTERESTS

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