

# ALPEREN GORMEZ

agorme2@uic.edu | (773) 715 – 8872 | linkedin.com/in/alperengormez | github.com/alperengormez | alperengormez.github.io

## 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

- 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

## RESEARCH EXPERIENCE

### University of Illinois at Chicago

*Research Assistant*

**Chicago, IL**

*Aug 2019 – Present*

- Working on adaptive neural networks with Prof. Erdem Koyuncu in order to decrease the computational complexity of deep learning systems while preserving the performance

### 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*

- 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 – 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 341<sup>st</sup> in Turkey's National University Entrance Exam among over 2 million students

*2015*