

DIMITRIOS KOUTENTAKIS

dkoutentakis.me

EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Candidate for Masters of Engineering in **Electrical Engineering** and **Computer Science**

June 2019

Bachelor of Science in **Electrical Engineering** and **Computer Science** ♦ GPA: 4.6/5.0

June 2018

Minor in **Mechanical Engineering**

Coursework: Machine Learning; Artificial Intelligence; Computational Statistics; Adv. Computer Vision; Matrix Methods in Data Analysis, Signal Processing, And Machine Learning; Introduction to Algorithms; Computation Structures; Feedback System Design; Power Electronics; Applied EM

Hellenic American Educational Foundation

Psychico, Greece

Class Valedictorian (class size:352), GPA: 19.60/20.00

Sep 2011-Jun 2014

European Union Science Olympiad 2013

Dec.2012

3rd National prize out of 351 competing schools in Physics, Biology and Chemistry lab competition

EXPERIENCE

Boston Consulting Group

Athens, Greece

Summer Analyst Intern

Jun – Jul 2018

- Developed proposal for Greek client project
- Worked on BCG-wide internal project & presented to international Senior Partners

Massachusetts General Hospital

Boston, MA

Research Assistant at Psychiatry Dep.

Jan-Feb 2018

- Studied and designed socially assistive AI-powered robots for Alzheimer's and dementia patients.

Tenaron Capital Management

New York, NY

Trading Analyst Intern

Jul – Aug 2017

- Completed training on treasury bond futures contracts & basis trading
- Developed tool to price bond optionality embedded in delivery of Treasury Bond Futures contracts
- Presented analysis of long & medium term futures contracts to senior management team

MIT Media Lab

Cambridge, MA

Undergraduate Researcher

Dec 2016 – May 2017

- Helped develop platform for manipulation of droplets and micro robots under the Tangible Media group
- Programmed microcontroller to complete specific droplet manipulations
- Designed several versions of 2 and 4-layer PCB boards on EAGLE
- Developed Web-App using Node.js and WebSockets to allow control of the platform over the internet.

Siemens AG

Stuttgart, Germany

Engineering Intern

Jul 2016

- Built GUI to calculate photovoltaic power production at any location.
- Developed tool to maximize financial gain, optimizing solar panel and battery installation sizes.
- Presented data & results to international client firms.

Accusol GMBH

Athens, Greece

Engineering Intern

Jan 2016

- Analyzed and tested autonomous solar energy production and storage system resulting in 10% increase in efficiency.
- Visited and evaluated remote locations to identify suitable sites for implementation.

LEADERSHIP

Delta Psi Fraternity

Cambridge, MA

President

Spring '16, Fall '16

- Handled membership and fraternity house issues. Managed renovations, flooding crisis w/ sem. budget of \$40,000.

Webmaster

Fall 2015 - Fall 2016

- Managed and maintained fraternity website and databases

Hellenic American Educational Foundation

Psychico, Greece

President of Student Government

Sep 2013 – Jun 2014

SKILLS/INTERESTS/PROJECTS

Projects:	BLDC PID motor controller with regenerative breaking, Self-standing robot, Remote door lock, IR radar, etc (dkoutentakis.me), Random train toy product
Technical:	Python, Numpy, Scipy, Jupyter, Arduino, MATLAB, L ^A T _E X, R, Julia, Bash, Linux, Git, SolidWorks, Eagle PCB Design, SQL, HTML, C++, Microsoft VBA, Excel, PowerPoint
Languages:	English (native), Greek (native), French (advanced), German (basic)
Extracurricular:	Piano, Saxophone, Sailing, Rowing, Swimming, Windsurfing, Scuba Diving, Tennis, Snow&Water Skiing