

# George Lydakis

DATA SCIENTIST · SOFTWARE ENGINEER

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## Education

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### University of Southern California

Los Angeles, CA

M.Sc. IN COMPUTER SCIENCE WITH DATA SCIENCE SPECIALIZATION

Exp. May 2018

- GPA: 3.44
- Notable courses: Machine Learning, Foundations of Artificial Intelligence, Applied Natural Language Processing, Data Management, Analysis of Algorithms, Machine Learning Theory

### University of Patras

Patras, Greece

B.Sc. IN ELECTRICAL & COMPUTER ENGINEERING

July 2016

- GPA: 7.53/10
- Diploma Thesis: Analysis & Visualization of Financial Big Data (Grade: 10/10)

## Technical Experience

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### ZuluTrade.com & University of Patras

Patras, Greece

DATA SCIENTIST

Sep. 2015 - Aug. 2016

- Developed a Visualization Dashboard for a Currency Pair Recommender System.
- Created Recommendation Engine for FOREX Currency Pairs.
- Skills & Technologies: Docker, PostgreSQL, Elasticsearch, Apache Spark, Python, Javascript, D3.js, DC.js, crossfilter.js

### Brainstorm

Patras, Greece

CO-FOUNDER

July 2011 - July 2015

- Developed a number of Windows and Windows Phone apps (5 utilities & 5 games.)
- Featured on Microsoft Student Experience blog for the Illuminate game.
- Skills & Technologies: C#, .NET, Git, MS SQL

### Bloomberg L.P.

London, UK

FINANCIAL SOFTWARE DEVELOPER

July 2014 - Sep. 2014

- Created a Bloomberg Terminal function that calculated statistical metrics to evaluate the quality of power demand and generation models
- Reported a bug in Python Pandas about stacking MultiIndex DataFrame columns with Timestamps.
- Skills & Technologies: Python, Pandas, C/C++, JavaScript, Comdb2, Git

## Notable Projects

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### Summarization of Long Form Documents

- Abstractive Summarization techniques have a hard time when applied on longer documents
- To tackle the problem perform Extractive Summarization on each chapter to produce a smaller text.
- Performing then Abstractive Summarization improves result.
- Skills & Technologies: Python, Tensorflow, Extractive & Abstractive Summarization

### DankMeets – Conference/Event Networking iOS App

- See people around you who are participating in the current event.
- Contact them, say hi, take a selfie, and you made a connection.
- Automatically exchanges your contact info once you made a connection.
- Skills & Technologies: Swift, iOS, Google Cloud Platform, API Development

### Mezo: Smart Newsletter/News Aggregator

- Specify favorite news sources and RSS, select length of Newsletter, frequency, and when you want to receive it.
- Have a custom Newsletter with the content you want, when you want it.
- Semi-finalist at StartupBus Europe 2014 in Vienna, AT.
- Skills & Technologies: Python, Flask, Bootstrap, API Development, Amazon AWS

## Leadership Experience

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**Microsoft Senior Student Partner** – Presented at & organized technical seminars. Contact person between Microsoft and University.

**ECESCON 8 Organizing Committee President** – Managed the organization of a conference on national scale w/ an attendance > 1,500 people.

**WUDC Thessaloniki 2016 Venue Manager** – Managed arrangement of the championship's spaces. Oversaw a team of 80 volunteers.