

İbrahim Ethem DEMİRCİ

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


A mathematician who has been coding for over a decade.


Linkedin/in/iedmrc **Github**/iedmrc **Twitter**/iedmrc

Professional Experience

Self-Employed, Consultant & Freelancer

04/2019 – present | Turkey

- **FAMS**  - **Machine Learning Specialist** -
Present: "Preventive Maintenance and Repair for Aircrafts" R&D
 - Data mining w/ Orange  and Python.
- **MITS**  - **Full-Stack Development Specialist** -
Present:
 - Maintained web & mobile platforms of ekardiyo.com 
 - Migrated various on-premise applications to AWS.
- **ThinkDeeply**  - **Machine Learning Specialist**
12/2019: Research and development of a smart email composer based on OpenAI GPT2.
 - Research and feasibility studies.
 - Training and evaluating models.
 - Developing a training and a inference pipeline. & Dockerization
- **Collecturk**  - **Machine Learning Consultant** -
10/2019: R&D of a Deep Learning model that scores the calls made between agents and customers.
- **Etcbase A.Ş.**  - **Software Development Specialist** - **06/2019:** Development of a bidirectional communication module that runs through websockets, for an existing solution.

Stria.co, Co-Founder & CTO 

07/2018 – present | Ankara, Turkey

- **Software Architecture**
- Research & Development of a **Deep Learning Based Text Emotion Analyzer & Sentiment Analyzer** (NLP) w/ Keras on Python w/ Flask
- **Backend Development** (AdonisJs on NodeJs)
- **Database Administration** (MySQL, MongoDB)
- **DevOps** (Docker on Google Cloud Platform)
- **Google Cloud Platform Engineering** (CDN, Loadbalancers, Storage, Network, VPN)

Education

Hacettepe University, Faculty of Science, Mathematics BSc

10/2014 – 06/2018 | Ankara, Turkey

Ranked **3rd** in the graduating class with **3.47** CGPA as **Honor Student**

Featured Courses:


Data Structures and Algorithms | Intr. to Cryptography | Intr. to Programming | Linear Algebra | Intr. to Computer Algorithms | Intr. to Algebraic Coding Theory | Applied Computer Algebra | Algebra and Number Theory With Gap | Abstract Algebra

Awards

9th Place, Cansat Competition, The American Astronautical Society (AAS)


06/2017

Developed **Ground Control Station**


- <http://www.cansatcompetition.com> 
- Organization: **The American Astronautical Society (AAS)**, NASA, Lockheed Martin

1st Place, "Tell About Your School" Web Site Development Competition, Middle East Technical University, sponsored by Microsoft Turkey

06/2010

- Awarded first prize with an ASP.NET based web site. <https://tinyurl.com/competition-on-news> 

Projects


Galois, An auto code completer for code editors based on OpenAI GPT-2. 

08/2019 – present

<https://usegalois.com> 

Awesome Docker Compose, Docker Compose files repository 

09/2019 – present

<https://github.com/iedmrc/awesome-docker-compose> 

Notlarim.com, CTO

04/2015 – 02/2019 | Ankara, Turkey

Notlarim.com, A marketplace for lecture notes

- Maintenance and full-stack development w/ **PHP, Laravel, MySQL**
- Dockerizing and deployment to **DigitalOcean**.

Medical Information Technology Solutions, Full Stack Software Developer

07/2017 – 07/2018 | Ankara, Turkey

A software R&D company developing AI-based healthcare applications.

- Migrated C#.NET, MSSQL based TUBITAK 1507 (Project Id: 7130088) "Medical Second Opinion System" Web Application to Node.js, MongoDB, Vanilla JS and JQuery stack , under HIPAA Compliance.
- Developed and published Dockerized **Opencart & Mariadb & Nginx & Letsencrypt** stack for <https://erkemyayincilik.com> , e-commerce platform.
- Administrated dedicated servers of company.

Ankara Metropolitan Municipality, Software Developer, Subcontractor

10/2017 – 01/2018 | Ankara, Turkey

Ankara Metropolitan Municipality RFID Toner Tracking System

- Development of a **C#** based toner tracking software that utilizes an RFID reader.

Finkafe, Project Leader, Freelance

06/2016 – 09/2016 | Ankara, Turkey

Finkafe.com , A local social media app

- Backend Development with **PHP, Laravel, MySql** etc. stack and **Deployment Operations**

References

Oğuz Yayla, Assoc. Prof. Dr.,
Hacettepe University, Mathematics
oguz.yayla@hacettepe.edu.tr

Mert Özarar, Assist. Prof. Dr.,
University of Turkish Aeronautical Assoc. CEng
mert.ozarar@gmail.com

Deniz Katircioğlu - Öztürk, Dr.,
ICTerra Inform. and Communication Tech.
denizkatircioglu@gmail.com

Skills

Natural Language Processing (CNN Models, AR Models (GPT2), AE Models (Bert), E-mail and Code Completers),

Deep Learning, Python, GNU/Linux, Unix, Docker, Javascript, Node.js, Web Security, PHP (w/ Laravel), **RDBMS** (MySQL, MSSQL), **NoSQL** (MongoDB, Redis), **HTML & CSS, API Development** (Rest), **Cryptography, C#** (ASP.NET), **HIPAA, Google Cloud, AWS, DigitalOcean, Vehicle Routing Problems**

Courses

Web Application Security and Secure Code Development, Academic Informatics

02/2017 | Aksaray, Turkey

National academic conferences and workshops. <http://ab.org.tr/ab17/>

Teaching Experiences

CK200, Instructor

02/2018 – 04/2018 | Ankara, Turkey

Hacettepe University, Robotics Society

Main Topics: History of Internet, Computer and Software Defined Networks, Docker

CK101, Instructor

10/2017 – 12/2017 | Ankara, Turkey

Hacettepe University, Robotics Society

Main Topics: History of Computers, Processors and Operating Systems, History of Programming, Unix and FSF, GNU Linux, Git, Github

Data Structures And Algorithms Lecture, Assistant Instructor

02/2017 – 06/2017 | Ankara, Turkey

Hacettepe University, Mathematics Department

Languages

Turkish

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English

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