

İbrahim Ethem DEMİRCİ

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Profile

A mathematician who has been coding for over a decade.

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

Professional Experience

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) with 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)

Etc Group, Consultant

04/2019 – present | İstanbul & Ankara, Turkey

- **Collecturk**: Research & Development of a Deep Learning model which scores the calls made between agents and customers.
- **ETCBase**: Consultancy on bidirectional communication on tcp/ip through WebSockets

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://erkemayincilik.com> , e-commerce platform.
- Administrated dedicated servers of company.

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 | Introduction to Cryptography | Introduction to Programming | Java | Linear Algebra | Introduction to Computer Algorithms | Introduction to Algebraic Coding Theory | Applied Computer Algebra | Algebra and Number Theory With Gap | Abstract Algebra

Hasan Âli Yücel Teacher Training High School

09/2010 – 06/2014 | Ankara, Turkey

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

A Deep Learning Based Autocompleter
<https://usegalois.com>

Notlarim.com, CTO

04/2015 – 02/2019 | Ankara, Turkey

Notlarim.com, A marketplace for lecture notes

- Fullstack development and maintenance with **PHP, Laravel**, MySQL stack .
- Deployment to **DigitalOcean** containerized via **Docker**.

Ankara Metropolitan Municipality,

Software Developer, Subcontractor

10/2017 – 01/2018 | Ankara, Turkey

Ankara Metropolitan Municipality RFID Toner Tracking System

- Developed a **C#** based software onto an **RFID reader** to track toners through RFID stickers.

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**

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



English



Vehicle Routing Solver

06/2019

I developed an **VRPTW** solver based on **VROOM**, **OSRM** and **OSM** and dockerized the ecosystem.

<https://github.com/iedmrc/vroom-docker>

Skills

Natural Language Processing (Sentiment Analysis, Text Classification, Document Scoring),
Deep Learning, Python, GNU/Linux, Unix, Docker (Containers), **Javascript, Node.js, Web Security, Kubernetes, PHP** (Laravel Framework),
Cloud Platforms (Google Cloud Platform, DigitalOcean, Amazon),
RDBMSs (MYSQL, MSSQL),
NoSQLs (MongoDB, Redis), **RestAPI** (Restful),
Cryptography,
Computer & Software Defined Networks, HTML & CSS, C# (ASP.NET), **HIPAA**,
Vehicle Routing Problems and Solvers (VRPTW, CVRP, Graph Theory)

Courses

Web Application Security and Secure Code Development,

Academic Informatics

02/2017 | Aksaray, Turkey

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

References

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

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University of Turkish Aeronautical Assoc. CEng
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