ŞEVKİ GAVREM KULKULOĞLU

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EDUCATION

Georgia State University

MS Computer Science

📅 Jan 2023 – Estimated May 2025   📍 Atlanta, GA

- Related coursework:
  Data Structures, Web Programming, Operating Systems, Seminar in Computer Science

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Ihsan Dogramaci Bilkent University

BS Electrical and Electronics Engineering

📅 Aug 2016 – January 2022   📍 Ankara, Turkey

- Major GPA: 2.96/4.0
- Related coursework:
  Algorithms and Programming, Digital Design, Analog Electronics, Microprocessors, Electronic Circuit Design, Engineering Electromagnetics, Signals and Systems, Feedback Control Systems, Statistical Learning and Data Analytics, Telecommunications I, Digital Signal Processing, Nonlinear Systems

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National Taiwan University

Electrical Engineering

📅 Feb – June 2020   📍 Taipei, Taiwan

- Studied as an exchange student for one semester.
- Related coursework:
  Introduction to Power Electronics, Introduction to Computer Networks

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Ozel Bahcesehir Kayseri High School

High School

📅 Sep 2012 – June 2016   📍 Kayseri, Turkey

- Grade 94.03/100

EXPERIENCE

Summer Internship

LNL Technology

📅 July 2021 – Aug 2021   📍 Ankara, Turkey

- "IP CLock Timer" project has been conducted. **Orange Pi** and **Raspberry Pi**. boards have been used. Developed an interface via **Java**. **HTTP request** is implemented between **Java** and **Python**(at server). MFRC522 RFID reader is used for data collection for permissions. Data is store in JSON file.

Summer Internship

Robit Technology

📅 August 2019 – Sep 2019   📍 Ankara, Turkey

- Trained as a research and development engineer. Implemented **Arduino** projects, adapted **MATLAB** to sync with the **Arduino** microcontrollers. Presented several plots and a report. Used **Proteus** is used for simulations and some designs.

Salesman and Photographer

Picture Perfect LLC

📅 June 2018 – Sep 2018   📍 Wisconsin, USA

- Worked at Picture Perfect LLC as salesman and photographer under the Work and Travel Program for 3 months. Coordinated printing, supported computer operations, and repaired photography and printing equipment.

High School Exchange Program

Yarmouth High School

📅 June 2013 – July 2013   📍 Yarmouth, Canada

- Took part in an ISE exchange program during my high school. Studied at Yarmouth High School at Nova Scotia, Canada for a month.

PROJECTS

Anomaly Detection for Diagnostics and Prognostics Using Big Data

Network Data is Collected via **Pyshark**. It is stored and served using **Confluent Kafka** in this Industrial Design group project. The project uses different algorithms such as **xStream**, **LODA** and **K-NN** for unsupervised outlier detection. Also **Elasticsearch** and **Kibana** are used for visualization and data analysis.

Smart Weather Teller

Developed a **Logistic Regression** for US Weather 2016 - 2020 data. Applied several preprocessing methods to the data and used **KNN algorithms**. Facilitated **K-fold Cross Validation** for determining parameters. Applied **Confusion Matrix** for the evaluation of algorithms. All project is coded from scratch.

Motion Controlled Car - Microprocessors Project

Designed a car that can be controlled with our hand gestures. The project consists of two parts, two micro-controllers, and Bluetooth modules. Developed a **Bluetooth communication** system and most of the car control.

Seat warmer With DHT11 - Digital Circuit Design Project

DHT11 humidity and temperature sensor, voltage converter, a circuit, and **Basys3** are used in this **VHDL project**. Designed a system that checks the room temperature and triggers the seat warmer if it is lower than a fixed threshold temperature.

SKILLS

VHDL   MATLAB   (8051) Assembly   Pyhton   C   Java   LaTex

LANGUAGES

Turkish, *Native*   English, *Advanced*