Nevzat CIRAK

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EDUCATION

ANADOLU UNIVERSITY
BEng in Electrical and Electronics
June 2017 | Eskisehir
Major GPA: 3.13 / 4.0

LINKS

LinkedIn:// **nevzatcirak**
Github:// **nevzatcirak**
Twitter:// **nevzatcirak**

COURSEWORK

UNDERGRADUATE
Algorithms and Data Structures with JAVA
Computer Programming with C
Data Network Architecture
Image Processing
Microprocessor Programming with ARM Cortex M4 assembly and C
Real-Time Operating Systems - TI-RTOS
FPGA Programming with VHDL

SKILLS

PROGRAMMING
Backend:
Java • Golang
Frontend:
Typescript • Javascript

SOFTWARE PROGRAMMING
• Coding by using Spring Back-end services with JAVA, Hibernate and Spring Data, Spring Security, React, Docker, Apache Kafka, etc. for web development
• Coding by using Golang with Gin gonic, Gorm, etc. for web development
• I2C, OneWire, UART, SPI, Bluetooth and Wi-Fi with Wandboard Quad, ARM Cortex M4, Raspberry Pi and Arduino

TOOLS, LIBRARIES AND PROTOCOLS
Intellij IDEA, Spring Boot, Spring Security, Spring Data, Hibernate, Gin Gonic, GORM, PostgreSQL, Mongo, React, Apache Kafka, Ory HYDRA, Docker, Traefik, Open Policy Agent(OPA), Hydra, OpenID Connect and OAuth 2.0

LANGUAGE
Fluent:
Turkish, English
Beginner:
German

EXPERIENCE

HAVELSAN - AIR ELECTRONIC INDUSTRY AND TRADE INC. | Software Engineer
October 2017 – Current | Ankara, Turkey
- In brief, working on Backend and Frontend programming in infra team. As Backend, Using Hibernate, Spring Boot, Spring Data, Spring Security, OAuth2, Apache Kafka, Docker, OPA, Jasper, Java, and Golang technologies. As Frontend, Using React framework.

TURKISH AEROSPACE INDUSTRIES, INC. | Avionics Integration Engineering Intern
June 2016 – July 2016 | Ankara, Turkey

- Worked on the ANKA UAV project in primarily C# Script to test and develop accuracy of flight control unit.

ENKOM AUTOMATION | Embedded Software Engineering Intern
July 2016 – August 2016 | Eskisehir, Turkey

- Researched on RTKLIB GPS to achieve sub-centimeter accuracy with u-bloxx NEO-6T uC.

RESEARCH

ANADOLU UNIVERSITY | Undergraduate Dissertation Project
Fall 2016 – Spring 2017 | Eskisehir
Worked with consultancy of Professor Atakan DOGAN to create Remote Patient Monitoring Systems, which measures ECG, Blood Pressure, Heart Rate, Body Temperature and SpO2 Values of patients and sends them to a cloud storage. This is also wearable technology.

ANADOLU UNIVERSITY | Undergraduate Research Project
Fall 2016 – Spring 2017 | Eskisehir
Research on development of Duplication of Ultra Low Light Camera Signals, with Associate Professor Hakan Guray Senel to duplicate 4 Lane MIPI CSI-2 Camera signals with FPGA and stream the videos to IP Address by using Wandboard Quad with embedded linux system.

SOCIETIES

- 2018 - Multilateral Interoperability Programme(MIP) Member

PROJECTS

- "Creating several prototypes that validate the specifications that MIP aims to release as the block 4 baseline and MIP4 Gateway implementation by using SOAP and REST Web Services", Multilateral Interoperability Programme
- "Developing Social Health and Nutrition Platform as Web and Mobile Application by using AWS technologies and Microservice architecture", Hobby Project
- "Developing OpenID Connect React Wrapper Library for Javascript", Github Project
- "Developing security solution by using OpenID, OPA, and Traefik handling on the gateway.", Github Private Project For Now
- "Driver implementation, Kernel compiling with Yocto Project.", Research Project
- "Developing a mission-focused unmanned air system capable of autonomous flight and navigation", SUAS UAV Team
- "Additionally, developing opensource solutions about blockchain and real-life issues", **nevzatcirak** , **nevcodia** , **goat**