



# Ömer YILDIZ

## Personal Info



nomeryildiz@gmail.com



www.omeryildiz.org



github.com/omeryildiz

## Languages



Native



Natio. Lang. Ex.(Yok-Dil)  
80/100

## Grants

- PhD Scholarship

## Publications

- The Management and Configuration System for Low Cost Portable Crypto Device in an Embedded System (Oct 19, 2018 ICONCS)
- Comparison of Accuracy of Biomedical Data with Decision Tree Method in Different Data Mining Applications (Apr 16, 2018 IEEE)

## Memberships



## Hobbies



## Additional Info



References available upon request.

## Experience

- Software Design Engineer / TUBITAK BILGEM / Turkey (Istanbul) (March 2015 - Present)
- Software Developer / Teknoplan Engineering Co. / Turkey (Istanbul) (July 2013 - March 2015)
- Software Developer Intern / Teknoplan Engineering Co. / Turkey (Istanbul) (June 2012 – August 2012)
- Software Developer Intern / Grupo Esfer / Spain (Valencia) (July 2011 - September 2011)

## Projects

### The Scientific and Technological Research Council of Turkey (TUBITAK)

- National Offline Time-Stamp Device (ZDC) (JAVA, Cpp, HSM, PKCS11 API) (Jan 2018)
- National Hardware Security Module (Jan 2015)
- Kushimoto Remote Access Device (Linux System, C++, C, Network) (Jan 2016)

### Teknoplan Engineering Co.

- Heat Tracing Program (Asp.net MVC C#) (Feb 2015)
- Personnel Attendance Tracking System (Asp.net MVC C#, jquery, jTable) (Mar 2014)
- Human Resources Management Module (Asp.net MVC C#) (Sep 2013)

### Master Final Project

- Development of A Low-Cost Portable Cryptographic Device (Java Swing, Java SE 1.8, Apache Thrift, C++, C, Linux API) (Jan 2016)

### Undergraduate Final Project

- The Development of Web Based ERP Apps for the Project-Based Engineering Firm (Asp.net MVC C#) (Oct 2012)

### Other Projects

- Whatsapp Clone with Group Messaging (Android(Java), Firebase, Gradle) (March 2019)
- Membership Software (CakePHP, PHP) (Jun 2012)
- Drawing Bezier's Surface and Changing Surface by Moving Control Points (C++, OpenGL) (Nov 2012)

Please, visit my github profile for more projects.

## Certifications



Parallel Programming with OpenMP  
Feb 2016



Design Patterns, Java API for RESTful Web Services, Java API for XML-Based Web Services, Spring Framework, Test Driven Development (TDD), Contexts and Dependency Injection, Enterprise JavaBeans (EJB), Java Persistence API (JPA), Java Server Faces (JSF), Java Standard Edition 1.8  
Oct 2015



Thales nShield Certified System Engineer  
Aug 2015



Embedded Systems - Shape the World, Introduction to Linux  
May 2015, Aug 2014



Linux Summer Camp '12  
Jun 2012



Alcatel-Lucent Telecommunication Networks Knowledge  
Nov 2011

## Skills

- C/C++
- Cryptography
- Secure System Architecture Design
- HSM Application Development (PKCS11 API)
- Digital Signatures
- Botan Crypto API
- Key Management
- PKI

- Java SE, EE
- Android
- Raspberry Pi
- Linux System Administration
- Git
- Gitlab
- Jira(Issue Management)
- Embedded Systems
- Linux API

- Smart Cards
- Asp.net MVC C#
- ERP Systems
- Microservices

## Education

• Duzce University, PhD  
Computer Science, (3.61/4)  
2017 – 2022

• Karabuk University, MSc  
Computer Engineering, (2.90/4)  
2014 - 2017

• Karabuk University, B.Eng.  
Computer Engineering, (3.04/4)  
2009 – 2013

## Courses

- Introduction to Cryptography
- Data Mining
- Image Processing
- Smart Card Applications
- Laser Technology and Its Application

- Analysis of Algorithms
- Project Management
- Logic Circuits
- Database Management
- Programming of Mobile Devices

- Computer Networks
- ISO/IEC 27001
- Data and Computer Security
- Graph Theory