Mustafa YILDIZ

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# EDUCATION

B.S. in Computer Engineering — Bilkent University; Ankara, Turkey — 2017

# EXPERIENCE

Avionics Software Engineer, ASELSAN; Ankara, Turkey *Aug 2018–Present*

•Graphical updates to operational flight program and avionics’ cockpit display system

•Design, implementation and integration for real-time embedded avionics software

•Compliance with international DO-178B and internal Avionics development standards

•Decomposing system and high level requirements and supporting certification activities

•Collaborating on software requirements management, design and code reviews

•Working in a multidisciplinary team, architect, design, develop to update functionality

Software Engineer, IMST Tech; Ankara, Turkey  *Oct 2017- July 2018*

•Implementation of a high-traffic government website and web services ([deprem.gov.tr](http://deprem.gov.tr))

•iOS Development for a government agency

•Working on the maintenance of big-data processing streams

Software Engineer Intern, Impuls Ing; Rijeka, Croatia — *Summer 2016*

•Implemented a patch update for a critical bug for company’s commercial software

•Implemented the back-end and front-end of a new client management system

Software Engineer Intern, Taleworlds Entertainment; Ankara, Turkey —  *Summer 2015*

•Designed and implemented an auto game object generation module

•Implemented a basic optimizer to reduce code compilation time by one half

# SKILLS

•Languages: C++, Java, C, Swift

•Frameworks & Tools: Git, Eclipse, Xcode, Ibm Rational Tools, Vaps XT

# Projects (Click project titles for more details)

[RPC System Middleware Implementation with Stub and Skeleton Generators](https://github.com/yildizm/RPC-System-Middleware/blob/master/CS442_Distributed_Systems_Project_Final_Report.pdf)

[TurjeeMan – An Interface and Tools to Create Feature-Rich Translations](https://github.com/yildizm/turjeeman)

[Movie Genre Detection Based on Subtitle Analysis Methods](https://github.com/yildizm/Movie-Genre-Detection/blob/master/Machine_Learning_Final_Report.pdf)

# Online courses

[Azure fundamentals](https://docs.microsoft.com/en-us/learn/paths/azure-fundamentals/) by Microsoft Azure

[Reliable Distributed Algorithms I by KTH](https://www.edx.org/course/reliable-distributed-algorithms-part-1) - edx

[Creating a Reliable Continuous Integration System and Log Analytics](http://www.apple.com) by Coursera