Çağatay Sel

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EDUCATION

2015-2019	**Bilkent University**
	Department of **Computer Engineering**
	CGPA 3.73 / 4.0
2011-2015	**Ankara Ataturk Anatolian High School**
	Diploma Grade: 93.82 / 100

EXPERIENCE

2018 *October -*   **HAVELSAN – *Candidate Engineer***

- As a result of my contributions to a **VR in-flight entertainment** (IFE) project during my internship, I got asked to stay and work as a part time engineer on the same project.

2018 *June-August*   **HAVELSAN – *Summer Internship***

- Worked on a **VR** web application project and used **WebGL**, **WebVR** technologies. Solved some major camera bugs and developed new features for the project. My contributions to project resulted in a **patent application**.

2017-2018   **Bilkent University – *Lab Assistant***

- I have done **lab assisting** and tutoring for 3 semesters. I have assisted students taking Digital Design and Introduction to Programming courses.

PROJECTS

Junior Projects

Calendar Application for Bilkent University Students
- Java
- Android
- Object Oriented Programming (**OOP**)
- XML

Racing Game Implemented On Basys3 FPGA
- System Verilog
- Vivado
- FPGA

Multiplayer Android Game
- Java
- Socket Programming
- Client/ Server Architecture

Patient Tracking System *(Web Application)*
- MySQL
- PHP
- JavaScript / HTML / CSS

Side Projects

Bilkent Calendar (Android)
- Java
- Android
- UI Design
- Play Store Link: https://play.google.com/store/apps/details?id=cstudio.calendroid

Personal Website
- HTML / CSS3 / JavaScript
- Bootstrap
- jQuery

HAVELSAN Projects

IFE VR (*WebApplication*)
- JavaScript
- **Virtual Reality (VR)**
- **WebGL** & WebVR

PROGRAMMING LANGUAGES

- **Java:** I have been using java for 3 years. I have written 2 android applications and a server for a multiplayer game using java.
- **JavaScript:** I have used JavaScript for 2 web application and while writing my website.
- **C++:** I have used C++ for a year and done many programming assignments that involved analysis of sorting algorithms and usage of data structures such as lists, stacks, queues, trees etc.
- **PHP:** I have used PHP for implementing backend side of a web application project that I have done for Database Systems course.
- **C:** I have used C language during Operating System course. I have done 5 small projects that involved writing multi-threaded applications and kernel modules.
- **HTML / CSS:** I have used these for writing interfaces to my 2 web applications and also while writing my website.
- **SystemVerilog:** I have used this hardware description language (HDL) in my digital design project. I have also done lab tutoring for 2 semesters in which I helped students with SystemVerilog.

LANGUAGES

Turkish: mother tongue
English: fluent

PERSONAL INFORMATION

Date of Birth: 04.01.1997, Ankara
Personal Traits: Good time management skills, determined, self-taught
Hobbies & Interests: Swimming, basketball, music, philosophy, history, video games

SCHOLARSHIPS

2009-2015 **PYBS:** Tuition scholarship

2015- **Bilkent University**: Comprehensive scholarship that includes tuition and accommodation scholarship with monthly stipend.

HONORS

- 997th among 1.98 million in University Entrance Exams (YGS-LYS)
- High Honor student during all semesters.
- Due to my contribution to IFE VR project **during my internship** at HAVELSAN, I was denoted as the 10% contributor in the **patent application.**