

# Sinan Yumurtacı High school senior pursuing entrepreneurship

1738ST NO13 APT 8 Karşıyaka, Izmir, Turkey 35580  
(+90) 543 534 40 46 sinan@enjoythecode.com

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[linkedin.com/in/enjoythecode](https://www.linkedin.com/in/enjoythecode)

## How I Define Myself

I'm an avid learner and I deeply enjoy creating. I work to solve real-world problems with digital solutions on a daily basis and my ambition is to be a tech entrepreneur. Deep inside, the seamless cooperation of all the systems running our universe constantly fascinates me.

## Competitions & Examinations (Summarised)

AP Calculus AB	<i>To be determined.</i>	May 2019
SAT Subject Tests - Mathematics II and Physics	1600 - Math 2: 800, Physics: 800	Dec. 2018
26th National Informatics Olympiad 2. Stage Exam	<i>To be determined.</i>	Dec. 2018
SAT with Essay	1550 - RW: 750, M: 800. Essay: 6/5/6	Oct. 2018
TEKNOFEST Projects for Humanity Science Fair	3rd place in Turkey with "Cell-fie"	Sept. 2018
IELTS	7.5 with no section below 6.5	Aug. 2018
Essay Contest by Harvard Alumni for Global WE	<u>Certificate of Excellence</u>	June 2018
AP Computer Science A	5 out of 5	May 2018
26th National Informatics Olympiad 1. Stage Exam	5th in Turkey, invited to camp	May 2018
Çekmeköy Municipality Science Fair	4th place in Turkey with "Cell-fie"	May 2018
MEF Schools International Science Fair	3rd place in Turkey with "Cell-fie"	May 2018
Bayrampaşa Municipality Science Fair	3rd place in Turkey with "Cell-fie"	May 2018
Hypatia Contest by the University of Waterloo CEMC	<u>Certificate of Distinction</u>	Apr. 2018
Fermat Contest by the University of Waterloo CEMC	<u>Certificate of Distinction</u>	Mar. 2018
Beaver Computing Challenge by University of Waterloo CEMC	Listed in the <u>honor roll.</u>	2016
Izmir Athletism Competition by the Ministry of Sports	3rd in Izmir, shot put	2016
Turkey Swimming Competition by the Ministry of Sports	30th in Turkey for 50 meters freestyle, ranked 32nd in Turkey for 400 meters freestyle	2015

## Projects (Summarised)

### Blockchain Based Verifiable Election Protocol - Science Project April 2018 - Ongoing

I am working on bringing the advantages of the blockchain technology to the core of any democracy, elections. Currently a work in progress.

### Kofuun, Educational Games - Science Project June 2018 - Ongoing

I am building a number of online educational games all aiming to improve the teamworking and communication skills of primary school students. Currently a work in progress.

### Cell-fie Education Kit - Scientific Project October 2017 - Ongoing

I have designed, prototyped an inexpensive 3D printed microscope for educational purposes. This project won awards in multiple national & international project competitions (listed above).

### duobul.net - Website November 2017 - Ongoing

This website helps e-sport players find friends to play with. I have completely coded the front-end and back-end of the website and acquired a user base using digital marketing. Visit: [duobul.net](http://duobul.net) [TR]

### zephyrgame.com - Website February 2018 - Ongoing

This is a website I built on the side to learn about new technologies and services. These include; Amazon Web Services, WordPress, AdSense and several digital marketing strategies. Visit: [zephyrgame.com](http://zephyrgame.com) [EN]

### "Derse Hazırım" - Science Project October 2016 - June 2017

This project was an online platform for teachers to share files with and track assignments of students. It acted as a great learning opportunity for both building websites and preparing projects.

## Extracurricular Activities (Summarised)

### Software Developer at ByNoGame July 2017 - Aug 2017

I worked at Turkey's leading e-gaming marketplace as a software developer for 2 months during the summer break. I was responsible for developing minigames for the website and an internal tool for accounting.

### Software Development Freelance Work Spread through 2017

Worked as a freelancer for 6 clients in a total of 8 projects as a programmer. I experienced the whole freelancing process from contacting potential customers to making sure they are happy with the final product. Being able to create and sell a virtual asset was what propelled my interest of creating the most.

### Voluntarily Helped Elections through a NGO June 24th, 2018, Turkish General Elections

I helped ensure a fair voting process by guiding citizens, observing vote tallies and contributing to the third-party verification of results. This experience inspired me to work on a verifiable election system.

### Sports Ongoing

I regularly practice yoga, cycle and swim.

## Computer Knowledge

**Programming Languages:** Python, PHP, JavaScript, Java, C++. **Web front-end:** Materialize, JQuery, SocketIO. **Web Back-end (Libraries):** Python Flask, Flask-SocketIO, PHP PDO. **Miscellaneous:** Git VCS, Hyperledger Distributed Ledger Projects, Bash/Terminal **Data:** MySQL, JSON, XML. **Non-programming:** Search Engine Optimization, Google Ads

## Education

Özel Ege Lisesi - High School September 2015 - June 2019  
Özel Ege Lisesi - Middle School September 2012 - June 2015  
Özel Ege Lisesi - Primary School September 2007 - June 2012

## Languages

Turkish - Native

English - Advanced

French - Beginner

## Courses Attended (Summarised)

### TÜBİTAK National Informatics Olympiad Summer Camp 1-15 September 2018

I was invited to this camp due to my success in the 26th National Informatics Olympiad 1. Stage Exam (*see above, Competitions & Examinations*). With lessons from talented professors, challenging problem sets and ambitious friends, this camp greatly widened my perspective on competitive programming.

### Google Developer Challenge Scholarship - Mobile Web Specialist Track

November 2017 - September 2018

I was accepted to this scholarship including tens of hours of valuable online lessons and participation in a community of other scholarship recipients. **Topics:** Building offline-ready websites using the service worker technology, ES6 and ES2015.

### CS-Bridge Intro to Computer Science Course at Koç University June 26th, 2018 - July 6th, 2018

During the 2-week summer course designed by the Stanford University, I engaged in a vibrant community of students and great teachers. **Topics:** Fundamental programming concepts in Java.

### Blockchain for Business - An Introduction to Hyperledger Technologies (edx, LFS171x) June 2018

I learned about various Hyperledger projects around the blockchain for my related project (*see above, Projects*). **Topics:** Hyperledger Iroha, Hyperledger Sawtooth, and Hyperledger Fabric. **Result:** Had a final grade of 90% (the passing grade was 70%). I couldn't afford a verified certificate.

### Fat Chance: Probability from the Ground Up (edX, FC1x) June 2018

In this course I learned about various probabilistic and statistical concepts applicable to my everyday life. I feel this knowledge is crucial for those interested in computers. **Topics:** Counting, probability and statistics. **Result:** Had a final grade of 95% (the passing grade was 60%). I couldn't afford a verified certificate.

### FreeCodeCamp Front-End Development Certification June 2017

In this online course, I learned about the fundamental principles of front-end development and implemented those principles in several web projects.