

# Ufuk Karaca

I am an undergraduate junior who enjoys development using technologies such as **Verilog**, **Python**, **C++** and more. I focus heavily on optimizing development processes by implementing **Agile** or **Waterfall** methodologies as needed. I value **community** and **give-back** culture alongside being an avid **language learner**, an aspiring **writer** and an amateur **composer**.

## EDUCATION

### TOBB University of Economics and Technology, Ankara — *B.Sc. Electrical and Electronics Engineering, Minor Political Science and International Relations*

SEPTEMBER 2019 - PRESENT

Classes Taken: C/C++ Programming, Logic Circuit Design (with Verilog), Circuit Analysis, Probability and Stochastic Processes

### Anadolu University, Eskişehir — *B.Sc. Management Information Systems*

SEPTEMBER 2019 - PRESENT

Classes Taken: Project Management, Communication Technologies, System Design, User Experience Design, Economics

## EXPERIENCE

### Turkish Entrepreneurship Foundation — *Entrepreneurship Fellow*

NOVEMBER 2020 - PRESENT

Successfully completed a five month selection process to be one of the 40 fellows among 114,000 applicants, allowing me to collaborate with leading entrepreneurs of Turkey.

### United Nations SDSN Youth SDG Student Hub, TOBB ETU — *President*

SEPTEMBER 2020 - PRESENT

Led the first SDG Student Hub of Turkey as we successfully completed multiple workshops, relief efforts and climate action/gender equality initiatives.

### Google Developer Students Club, TOBB ETU — *Entrepreneurship Lead*

SEPTEMBER 2020 - PRESENT

Built project management tools, took part in the forming of international partnerships, event determination processes, and collaborator communications. Took leading roles in creation of the "A Career in Tech" series and the 400+ attendee "Internship Panel".

## PROJECTS

### Tantumcras — *Minimalist To-Do App*

Developing a Flutter app with material design for to-do management, utilizing Firebase.

### Scientific Calculator — *Verilog Project*

Co-developed a Verilog calculator utilizing **pipelining**, Booth's Algorithm, and Taylor Series.

### Karacaufuk.com — *Portfolio Website Development*

Developed my portfolio, utilizing JavaScript with GitHub Pages and Google Analytics.

### AES256 Encryption System — *Verilog Project*

Co-developed a Verilog AES encryptor successfully utilizing **pipelining**.

### EverythingRoe — *Start-up*

Provided 10+ businesses with solutions ranging from authentication hardware to cloud services.

### HAYAT433 — *Awarded Emergency Locator for Hydro-Morphological Disasters*

Developed an awarded automated person locator for natural disasters with 420% faster locating, 130% lower cost compared to alternatives by utilizing IoT devices and RF signals.

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## SKILLS

MATLAB | Verilog | Python

C | C++ | Spice | Teamwork

Project Management | Agile

Leadership | Flutter | Java

## CERTIFICATES

### Microsoft, Engineering Asia Virtual Experience Program

Learned management and work ethics of Microsoft

### Amazon Web Services, AWS Fundamentals

Grade: 99.17%

### University of Illinois at Urbana-Champaign, Digital Marketing

Worked on numerous case studies for marketing techniques

### UC Santa Cruz, Feminism and Social Justice

Worked towards overcoming subconscious taboos with this course.

### Google; Cloud Essentials, Baseline: Infrastructure, Fundamentals of Digital Marketing, Crash Course on Python

## LANGUAGES

Turkish  
Native Proficiency

English  
Bilingual Proficiency

Spanish  
Intermediate Proficiency

German  
Intermediate Proficiency

French  
Elementary Proficiency