

# Alper Gundogdu

Computer Scientist

mail@alpergundogdu.com

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## Education

**B.Sc. in Computer Engineering, cGPA: 3.35**

*2011 - 2015*

Bilkent University, Turkey

## Work Experience

**Software Engineer**

Google

*Sep, 2016 - Present*

*London, United Kingdom*

**Front-end Software Engineer**

Anvato Inc.

*August, 2015 - July, 2016*

*Ankara, Turkey*

**VoIP Security Engineer Intern**

NETAŞ Telecom Inc.

*Summer, 2014*

*Istanbul, Turkey*

Implemented a statistics module in C++ that gets sample data from a network capturing system and exports the aggregated data to a remote database server with an interval and a test module that compares the expected values and distributions to the observed ones using statistical test methods. Modules will be used in a VoIP firewall to detect intrusions and network anomalies.

**Web Developer**

Sinaps Inc.

*Jul, 2012 - Aug, 2013*

*Ankara, Turkey*

Designed databases, MVC systems and complex SQL queries like friend suggestions and newsfeed collection. Took place in both backend and frontend development of Anlatsin (<https://anlatsin.com>) project.

## Honors & Awards

**4<sup>th</sup> Rank**, DefCamp Capture The Flag Competition (D-CTF)

CCSIR Cyber Security Research Center from Romania

*Nov, 2014*

*Bucharest, Romania*

**2<sup>nd</sup> Rank**, National Cyber Security Competition (Siber Meydan)

The Scientific and Technological Research Council of Turkey

*Dec, 2013*

*Istanbul, Turkey*

**1<sup>st</sup> Rank**, Regional Olympiad in Informatics

The Scientific and Technological Research Council of Turkey

*May, 2010*

*Izmir, Turkey*

**Bronze Medal**, National Olympiad in Informatics

The Scientific and Technological Research Council of Turkey

*Dec, 2009*

*Ankara, Turkey*

**Silver Medal**, National Project Olympiad in Informatics

The Scientific and Technological Research Council of Turkey

*May, 2009*

*Ankara, Turkey*

**Gold Medal**, International Computer Project Olympiad

Turkmenistan Ministry of Education

*Nov, 2008*

*Ashgabat, Turkmenistan*

## Selected Projects

### CoinAMI

*Sep, 2014 - Jun, 2015*

**Related Skills:** Software Architecture, Project Management

A Cryptocurrency that uses DNA sequence alignment problem as its proof-of-work. I was the project manager of the team and worked on software & database architecture and implementation of a web service. The project was a Senior Design Project and it was also presented in HiTSeq conference in Dublin, Ireland. More info can be found at project's website <http://coinami.github.io>

### Eyeon

*Jun, 2013 - Sep, 2014*

**Related Skills:** iOS Development, Web Development

A mobile application where you can receive notifications from a person's multiple social accounts. Project was abandoned due to some significant changes in Facebook, Twitter and Foursquare APIs after the release of the application.

### GenoScope

*May, 2012*

**Related Skills:** Java Development, Object-Oriented Software Design

A visualizer tool for genomic annotation data, it supports different official and academical data-types for different statistical information about genetics. It also has a github repository at <https://github.com/alimg/parasight>

### Smart Paper

*Dec, 2008 - May, 2009*

**Related Skills:** C++ Development, Computer Vision

A program that allows user to use a paper and a pen as a touchpad or touch screen. Program gets input from a webcam and detects the paper automatically. Awarded a silver medal at National Project Olympiad held by TUBITAK. A detailed video about it can be found at <http://youtu.be/rBIZmNAtGXw>

### Height Control

*Nov - Dec, 2008*

**Related Skills:** C++ Development, Computer Vision

A program that measures height through webcam. Awarded a Gold Medal at International Computer Project Olympiad in Turkmenistan.

## Technical Skills

**Languages:** C/C++, Java, R, Python, PHP, Objective-C

**Areas:** Windows/Linux, Mobile Development (Android/iOS), Web Development, Data Analysis, Computer Vision, Cyber Security

**3rd Party:** PostgreSQL, MongoDB, Flask, CodeIgniter, OAuth, Hadoop, OpenCV

## Interests

Psychology, Political Economy, Emotional Intelligence, History of Art, Board games