

Summary

I am a senior year **Molecular Biology and Genetics** student who tries to become a better version of herself. I love **teamwork, interact with people and be a part of exciting scientific experiments**. I am **open to learn**, especially self-learning, and **believe that everyone can do anything**. If **chances are given**. I am **ready to take actions** and become part of a team and push my limits.

Education

Izmir Institute of Technology

Izmir, Turkey

B.S. IN MOLECULAR BIOLOGY AND GENETICS

Oct. 2013 - Present

Expected graduation date: July 2021

Anadolu University

Eskişehir, Turkey

B.A. IN INTERNATIONAL RELATIONS

Oct. 2013 - Sep. 2020

During this major, courses were mainly focused on Political history of Turkey and dynamics with European countries and US in important historical points such as Cold War, World Wars. Also, Caucasian and Balkan regional politics also pointed as minor.

Skills

Programming

R, Bash, MATLAB, JavaScript, Python, HTML, CSS

Laboratory Expertise

RNA-seq, ChIP-seq, Agroinfiltration, DNA / RNA / Protein Isolation, LC-MS/Tandem-MS, HPLC

Laboratory Programs

KNIME, Bioconductor, Galaxy Server, Cytoscape

Language Skills

Turkish - Native | **English** - Fluent | **German** - Intermediate

General Skills

Office Programs, JIRA, Git, Figma

Experiences

Decktopus

Izmir, Turkey

SOFTWARE DEVELOPER

Jan. 2021 - Present

- Built and managed front-end components for document preparation web application called Decktopus.

Urla Digital Agriculture

Izmir, Turkey

PART-TIME MOLECULAR BIOLOGIST

Jul. 2019 - Feb. 2020

- Managed a project about **yielding a human-specific enzyme**, insulin, on tobacco and lettuce plants with using **TMV-based agroinfiltration methodologies**.
- Co-managing experiments about plant physiology and closed-controlled environment agriculture.

University of British Columbia & Vancouver Prostate Center

Vancouver, Canada

VISITING INTERNATIONAL RESEARCH STUDENT

Jun. 2018 - Sep. 2018

- Manipulation of human **transcriptome assembly data** and analysis using Bioconductor tools and Galaxy server.
- Built and implemented** a RNA-seq and ChIP-seq workflow using **R and Bash script**.
- Please check: <https://github.com/Cilgaiscan/RNAseq>

Koç University

Istanbul, Turkey

INTERN - VOLUNTEER

Jan. 2018 - Jun. 2018

- Analyzed expression levels of target gene** KDM3B and its transcripts on different stages of cancer patients, re-current patients and healthy individuals provided by GDC and TCGA. (Total individuals 500)
- Created an R script** to automatize calculation and visualisation process on large-scale patient input.
- Please check: <https://github.com/Cilgaiscan/KDM3B>

Abdullah Gül University

Kayseri, Turkey

INTERN - VOLUNTEER

Jan. 2017 - Feb. 2017

- Implementation of Python scripts** to manipulate **big data** on Dream Challenge by DARPA, Sage Networks, IBM and more.
- Please check: <https://www.synapse.org/#!Synapse:syn5647810/wiki/399103>

jLAB - Allmer Lab.

UNDERGRADUATE RESEARCH STUDENT

- Analysis of **Mass Spectrometry** results with tools such as ProteoWizard, OMSSA, X!Tandem and Myrimatch.
- Also used **genetic algorithm** and **seqlib** for translation of nucleotide into triple codes.
- Attended a course to learn **KNIME** given by KNIME. And perform data processing and analysis with KNIME.

Please visit my **LinkedIn** profile for further research information.

İzmir, Turkey

Oct. 2014 - Feb. 2017

Certificates

Drug Development Product Management

UC SAN DIEGO

Coursera

Nov. 2020

Drug Commercialization

UC SAN DIEGO

Coursera

Nov. 2020

Drug Development

UC SAN DIEGO

Coursera

Nov. 2020

Drug Discovery

UC SAN DIEGO

Coursera

Nov. 2020

Genomic Data Science with Galaxy

JOHNS HOPKINS UNIVERSITY

Coursera

Aug. 2019

Bioinformatic Methods II

UNIVERSITY OF TORONTO

Cousera

Feb. 2019

Exploratory Data Analysis

JOHNS HOPKINS UNIVERSITY

Cousera

Oct. 2018

Bioinformatic Methods I

UNIVERSITY OF TORONTO

Cousera

Oct. 2018

R Programming

JOHNS HOPKINS UNIVERSITY

Cousera

Jul. 2018

Version Control with Git

ATLASSIAN

Cousera

Aug. 2020

Agile with Atlassian Jira

ATLASSIAN

Cousera

Aug. 2020

Web Design for Everybody

UNIVERSITY OF MICHIGAN

Cousera

Sep. 2020

SQL for Data Science

UNIVERSITY OF CALIFORNIA, DAVIS

Cousera

Nov. 2020

AWS Fundamentals: Building Serverless Applications

AMAZON WEB SERVICES

Cousera

Apr. 2021

Please check **my personal website** to view all extracurricular.