

Çilga İşcan

MOLECULAR BIOLOGIST

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Summary

Former part-time molecular biologist at a start-up company Urla Digital Agriculture. Specialized in bioinformatics, proteomics and plant genomics around 5 years hands-on-experience. Now, I am just a scientist-to-be who has an extreme curiosity to how internet works and how web-pages are built. Fascinated by colours of the nature and limit of imagination.

Education

Izmir Institute of Technology

B.S. IN MOLECULAR BIPOLOGY AND GENETICS

Izmir, Turkey

Oct. 2013 - Present

Anadolu University

B.A. IN INTERNATIONAL RELATIONS

Eskişehir, Turkey

Oct. 2013 - Present

Skills

Programming R, HTML, CSS, MATLAB, JavaScript, Bash

Languages Turkish, English, German, Finnish

Biology RNA-seq, ChIP-seq, Mass Spectrometry, HPLC, PCR, cDNA Synthesis, Vector Design, Agroinfiltration

Experiences

Urla Digital Agriculture

PART-TIME MOLECULAR BIOLOGIST

Izmir, Turkey

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

VISITING INTERNATIONAL RESEARCH STUDENT

Vancouver, Canada

Jun. 2018 - Sep. 2018

- Research student on functional genomics especially in prostate cancer patient' and primate prostate tissue.
- Manipulation of big 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.

Koç University

INTERN - VOLUNTEER

Istanbul, Turkey

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.

Abdullah Gül University

INTERN - VOLUNTEER

Kayseri, Turkey

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>

Certificates

Agile with Atlassian Jira

ATLASSIAN

Cousera

Aug. 2020

Introduction to JavaScript

UNIVERSITY OF MICHIGAN

Cousera

Aug. 2020

Introduction to CSS3

UNIVERSITY OF MICHIGAN

Cousera

Jun. 2020

Introduction to HTML5

UNIVERSITY OF MICHIGAN

Cousera

Jun. 2020

Introduction to HTML

COURSERA GUIDED PROJECTS

Cousera

Jun. 2020

Build Your Portfolio Website with HTML and CSS

COURSERA GUIDED PROJECTS

Cousera

Jun. 2020

Genomic Data Science with Galaxy

JOHN HOPKINS UNIVERSITY

Cousera

Aug. 2019

Bioinformatic Methods II

UNIVERSITY OF TORONTO

Cousera

Feb. 2019

Bioinformatic Methods I

UNIVERSITY OF TORONTO

Cousera

Oct. 2018

Explonatory Data Analysis

JOHN HOPKINS UNIVERSITY

Cousera

Oct. 2018

R Programming

JOHN HOPKINS UNIVERSITY

Cousera

Jul. 2018

Honors & Awards

- 2008 **5th Place**, Tubitak Bu Benim Eserim Project Competition
- 2007 **4th Place**, Tubitak Bu Benim Eserim Project Competition
- 2018 **Referee**, Iztech Roboleague'18
- 2017 **Referee**, Iztech Roboleague'17
- 2015 **Organization Commitee Member**, Iztech Roboleague'15

İzmir, Turkey

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Writing

Kurmaca

WRITER

- Wrote a small poetry section in the book with my personal poems.

Arranged book

2010

Renkli Gölgeler

WRITER

- Wrote a small poetry section in the book with my personal poems.

Arranged book

2014