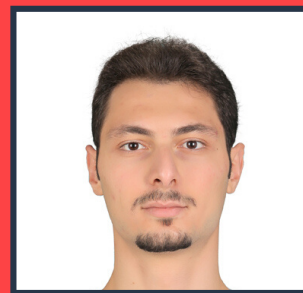


FARID MUSA



TECHNICAL SKILLS

Programming Languages:

Python, C++, MASM

Databases

MySQL, SQLite, HDF5

Web Development:

PHP, JavaScript, HTML, CSS,
jQuery

Statistical tools:

R, Pandas, NumPy, scikit-learn,
matplotlib

Engineering Software:

MATLAB, Aspen Plus, Polymath,
Excel

Operating Systems:

Debian, OpenSUSE, Windows

Word Processors:

TeX, MS Word

Graphic Design:

PowerPoint, Photoshop, Illustrator

PROFESSIONAL SKILLS

Analyst and Critical-thinker

Creative thinking

Strong computer competency

Good communication skills

Teamwork Skills (Reliability/Tolerance)

Docendo discimus

CONTACT

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mmtechslv.github.io

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github.com/mmtechslv

PROFILE

With a bachelor's degree in chemical engineering, a master degree in biotechnology and solid experience in various fields like web-development, database design, mathematical modeling and simulation, bioinformatic pipeline design and data analysis; I have built mixed set of skills that aid me in understanding of interdisciplinary problems. Motivated and passionate about health informatics, bioinformatic, data science and software development.

WORK HISTORY

INTERN

Sanem Plastik | Nov 2017 - Dec 2017

INTERN

Bareks Plastik | Jul 2017 - Aug 2017

FREELANCE WEB DEVELOPER

Freelance | Jan 2012 - Jan 2017

Worked as freelance web developer using PHP-MySQL for back-end and HTML5/CSS3/JScript for front-end.

WEB DEVELOPER

Samur Medya Digital Agency | Jun 2016 - Oct 2016

Worked as a turnkey web developer.

WEB DEVELOPER

Webtali İş Geliştirme Ajansı | Jun 2016 - Aug 2016

Developed Customer Relationship Management (CRM) web application for the agency.

FREELANCE TRANSLATOR

Zemexpert Tourism Agency | Jun 2014 - Jan 2015

Worked as a freelance translator of English, Russian and Turkish languages.

EDUCATION

MS, BIOTECHNOLOGY AND BIOENGINEERING

Izmir Institute of Technology | 2018 - 2020

PhyloMAF - NEXT GENERATION PHYLOGENETIC MICROBIOME ANALYSIS FRAMEWORK (Ongoing)

- Key-points: address shortcomings of the microbiome field, contribute to microbiome research community

BIOINFORMATIC ANALYSIS AND BIO-STATISTICAL MODELLING OF GENETIC INTERACTIONS BETWEEN MICROBIOTA AND HOST (MS Thesis, Ongoing)

- Description: Investigate host-microbiota interactions "Drosophila Genetic Reference Panel" samples using micoribome-GWAS techniques.

LANGUAGES

Azerbaijani: *Native*

Russian: *Native*

Turkish: *Fluent*

English: *Advanced*

EDUCATION

BS, CHEMICAL ENGINEERING

Izmir Institute of Technology | 2011 - 2017

ENGINEERING DESIGN AND ECONOMICS: PRODUCTION OF DIMETHYL ETHER (DME) FROM NATURAL GAS

- *Key-points: market analysis, mathematical modeling, automated Aspen Plus process simulations and optimization via MATLAB.*

DESIGN AND SYNTHESIS OF NANO DRUG DELIVERY VEHICLES (BS Thesis)

- *Description: The project involved preparation and characterization of cytotoxic anti-cancer liposome agents loaded with different alkaline solutions.*

CONFERENCE PARTICIPATION

UKMK-2016

INTERNATIONAL CHEMICAL ENGINEERING CONGRESS | 2016

Poster presentation

- *Project Title: PANCAR - AN INNOVATIVE APPROACH TOWARDS A WEARABLE ARTIFICIAL PANCREAS*

HIBIT-2018

INTERNATIONAL SYMPOSIUM ON HEALTH INFORMATICS AND BIOINFORMATICS | 2018

HIBIT-2019

INTERNATIONAL SYMPOSIUM ON HEALTH INFORMATICS AND BIOINFORMATICS | 2019

Poster presentation

- *Project Title: PhyloMAF - NEXT GENERATION PHYLOGENETIC MICROBIOME ANALYSIS FRAMEWORK*

TRAINING AND COURSES

EVOLUTIONARY GENOMICS APPLIED WORKSHOP

ECOEVO | Winter 2018

In three days and in team of three people developed bioinformatic pipeline for processing and analysis of raw NGS yeast genome reads.

AEGEAN SEMINARS FOR COMPUTATIONAL ECOLOGY AND EVOLUTION

ECOEVO | Fall 2017

VOLUNTEER EXPERIENCE

WORK AND TRAVEL USA

Summer 2015

REFERENCES

References available upon request.