

Youssef Hegab

949-742-9423 | youssef.hegab@gmail.com | [linkedin.com/in/yhegab](https://www.linkedin.com/in/yhegab) | github.com/yhegab

TECHNICAL SKILLS

Languages: Python, Java, C++, php, C#, SQL, R, Javascript, HTML, React

Applications: Salesforce, Matlab, Excel, GoDaddy, GCP, Jupiter Notebooks, Azure, Power BI

Packages: Tensorflow, Keras, Numpy, Matplot, Pandas

EXPERIENCE & PROJECTS

Network Technology Engineering Intern

May 2022 – August 2022

T-Mobile

Bellevue, Washington

- Constructed dashboards using Power BI for T-Mobile's NPPI Team
- Mitigated report platform transition from SSRS reports to Power BI
- Incorporated optimization techniques into network payload ML forecasting

Web Development/Data Science Intern

January 2022 – April 2022

The CommonsXR

San Diego, California

- Utilized php to revamp CommonsXR website
- Transitioned database from Firebase to Azure's platform in order to optimize educational services
- Developed a mapping tool to innovate a solution to student confidentiality in our program

Frontend Engineer/Project Head

November 2021 – June 2022

Camp Izza Inc.

Irvine, California

- Head of website management and database administration
- Utilized php, Javascript, React, Java, and MySQL to write code in order to optimize client experience and to debug website
- Lead a capstone team from UCI to improve company website design and security

MLAT Research Assistant

September 2021 – Present

Chapman University

Orange, California

- Working with Dr. Yuxin Wen on the viability of Machine Learning methods on vibration analysis
- Implemented programs in R and Python in order to analyze the open source vibration sensor data to determine remaining useful life of the machines

Spotify Recommendation App | Python, MySQL

November 2021 – Present

- Built a commandline app that generates recommendation playlists
- Implemented a genetic algorithm using Python that determines the most similar song based on Spotify song attributes, as well as proximity and order of songs within a playlist
- Built a SQL database from the ground up that stores song and artist information, which the app uses on the backend
- Project Link: https://github.com/yhegab/spotify_recommendation_app

Engineering Advisory Panel

January 2020 – Present

Chapman University

Orange, California

- Exclusive committee of 15 top Engineering Students determining improvements to Chapman's Fowler School of Engineering(FSE)
- Collaborating with Dean of Engineering school to advise on School of Engineering matters
- Organized engineering outreach events and workshops for FSE

EDUCATION

Chapman University

Orange, California

B.S. Computer Science, Mathematics Minor

Expected Graduation May 2022

- GPA: 3.6
- **Notable Courses:** Artificial Intelligence, Data Structures, Probability Theory, Numerical Analysis

Chapman University

Orange, California

M.S. Computational and Data Science

Expected Graduation May 2023

- GPA: 4.0
- **Notable Courses:** Machine Learning, Computational Economics, Time Series Analysis