


Yagmur GULEC

Student in computer science | Data visualization, machine learning with Python

Sherbrooke, QC, CANADA

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 YagmurGULEC

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Work Experience

Natural Language Processing Development Internship

Ubineer, Toronto, CANADA

March 2023–April 2023

Automation of parsing data from financial reports reports by natural language processing

Web scraping, chunking, regex operations on texts

Tools used Python (Nltk, BeautifulSoup packages)


PhD research (Mechanical Engineering)

Universite de Sherbrooke, QC, CA

Jan 2019–Sept. 2022

Creating numerical models in C++ to investigate the physics of vapor bubbles departing from a surface

Image processing with high-speed camera in ImageJ and automate the process of frames

 YagmurGULEC/DropletAndBubbleImageProcessingImageJ

Creating bash scripts to transfer files to and from Compute Canada HPC

 YagmurGULEC/CalculQuebecManualForOpenFOAM

Teaching assistant (Mechanical Engineering)

Izmir Institute of Technology, TURKEY

Febr 2015–Sept. 2019

Teaching in lab sessions to undergraduate students in a Fluid Mechanics course

Evaluating the lab reports

Front desk (Reception)

Hotel Fantasia, TURKEY

May 2013–Sept. 2013

Welcoming foreign tourists, giving an introduction about the hotel

Doing check-in and check-out processes of tourists

Mechanical engineer in R&D dept.




HAUS Centrifuge Technologies, TURKEY

Febr 2012–Sept. 2012



Designing centrifugal machines (separators) in 3D with SolidWorks

Preparing technical drawings of machine parts

Certificates

- Machine Learning Specialization** Coursera (Deeplearning.AI-Stanford) June,2023 Credentials
 - Anomaly detection - Clustering - Recommenders
 - Supervised Learning - Linear and Logistic Regression
 - Gradient descent algorithm
 - Neural network implementation with Tensorflow
 - Numpy manipulation
- Professional Certificate for Web Programming** HarvardX -EdX August 2022 Credentials
 - Full stack development with Django and JavaScript
 - API development
 - **Projects:**
 -  A social network-like web app
 -  Front-end design from an email API
 -  A web app to rate academic supervisor based on their responsibilities

Portfolio Projects

- A web application on which admin users can post, edit events with requirements to fill in the form by standard users. If the forms filled do not match with the requirements before deadline, notifications are sent to standard users, designed as a final project in the course of Database Software Design
 Demo on Heroku: <https://databasedesignfinalproject.herokuapp.com>
 Github:  YagmurGULEC/flask-psycpg2-starter
 - Flask (Python)(Back-end)
 - SQL
 - Postgresql database
 - Bootstrap (Front-end design)
- A web app to do a Monte Carlo simulation for a N-by-M grid system <https://percolationmontecarlo.herokuapp.com/>
 YagmurGULEC/MonteCarloPercolation
 - Plotly Dash (Python)
 - Object-oriented implementation
 - Weighted Quick-Union algorithm
 - Heroku CLI

Language

- English
(Full professional proficiency)
- French
(Limited working proficiency)
- Turkish
(Native)

Education

M.s.(project-based), Computer Science

Bishop's University, QC, CA
Jan 2022-Jan 2024 (Expected graduation date)