

Dear Recruitment Team

September 22, 2024

Dear Sir or Madam,

I am writing to express my interest in Python Developer, which I learned from LinkedIn. My Bachelor's degree in Computer Engineering and I was graduated from this program at Muğla Sıtkı Koçman University(MSKÜ) in 2017. I started the Master's Degree Program in Computer Engineering at Izmir Institute of Technology (IZTECH) in 2017. I completed the class term but I gave a break for the thesis term in the Master's Program. During the master's program, I took a lot of courses related with Artificial Intelligence. I worked a year at CSIGB(Computer Simulation, Intelligence, and Graphics for Biometrics Research Group) <sup>1</sup> on "Generation of Synthetic Latent Fingerprints" project in IZTECH-CENG. I used Python and machine learning libraries in this project.

The programming language I learned first in 2013 when I started college, was Python. Python was the programming language I used the most during my university life and afterward. I developed a Pacman-style game(PyGame, Turtles module in Python) in my first year in the department. In the "Web Applications" course, I made a web project using Python and Web2Py framework for the first time. In the same year, I developed the Twitter data normalization tool using Python and NLTK, tweepy libraries in Natural Language Processing course. In 2016, I was accepted to the Erasmus internship program at Radboud University in the Netherlands. Here I worked on the Relevancer project. This project was about analyzing tweets using machine learning on a topic. Here I learned Python 3.4 and Django, Flask, Eve API, and MongoDB<sup>23</sup>.

I started my professional career at Fited Teknoloji in 2019. Fited was a company operating in the USA (Fited.co, NY), the Netherlands (Fited BV, Maastricht) and Turkey, working on 3D scoliosis braces and other prosthetic products. Here I took part in the development of the 3D software platform for 3 years. I used Flask in the backend, HTML, CSS, Jinja, Jquery and Three.js in the frontend. In general, I used GCP products (Datastore, Storage, Big Query, Firebase, App Engine, Compute Engine). I used Jenkins to manage the CI/CD environment. There were unit tests and selenium automated tests that I created to successfully complete our tasks. We used computer vision techniques in order to take the measurements of the patients correctly. In my last project, we tried to make sense of patient movements(walking, running, etc.) with the help of machine learning by taking data from IoT devices that we connected to braces.

Then I worked as a backend developer on an online streaming project in Osoci. Here I have advanced my experience with backend, Docker, MongoDB, RabbitMQ.

At my previous company, I'm working on a project that predicts predictable diseases from patients' past medical notes. Python and Machine Learning algorithms(OpenAI) are using for this.

Currently, I am working at Huawei as Data Engineer. I have worked on many projects here for about 2 years. I mainly worked on web crawling, data preprocessing, NLP and LLM. I worked in project management positions in small teams. I have successfully completed more than 10 projects.

Apart from these, I used Python a lot in individual projects. I had the chance to try python libraries in web minig and web scaping areas (Beautifulsoup, Scrapy), Mapping (Leaflet, OpenStreetMap),

<http://csigb.iyte.edu.tr/people/1522651781702-16cfbd56-7caa>

<https://pypi.org/project/relevancer/>

<https://relevancer.science.ru.nl/>

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<https://www.kaggle.com/uoacan12> - <https://www.hackerrank.com/uoacan12>

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Deep Learning (Keras, PyTorch), GUI (PyQt5) and many other areas.

Last but not least, I am always passionate about researching and generating new solutions for challenges that come from daily life. I dedicated myself to interaction with computer engineering in order to help people. The position's values match my background and future goals, I would be appreciated it if you give me an opportunity for this position, and can be reached at [ugurozcan108@gmail.com](mailto:ugurozcan108@gmail.com), thank you for your time and consideration and I hope to hear from you soon.

Yours faithfully,

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