

Soroush Rasti, MS.c.

rasti.soroush@gmail.com

<https://github.com/soroushrasti>

+31 628676724

linkedin.com/in/rasti-soroush

PERSONAL PROFILE

Creative **Developer** with 6+ years of experience in working with different programming languages. A team worker with experience in building predictive models and state-of-art packages. An eager learner of new technologies to deliver great products and tackle challenges and complex problems. An strong analytical mindset person who wants to make a difference by developing new things.

Technical and Professional Skills:

- Python Developer
- Front-end Developer
- Back-end Developer
- Deep Learning
- R, SQL, C++, Java, Hadoop, Git
- JavaScript

WORK EXPERIENCE

Eager Learner

November 2018 --- now

- **Python Developer:** [Python Programing for Developers](#), by Codewithmosh.
 - Object-Oriented Programming- Functional Programming - Lambdas - Decorators - Generators - Testing in Python - Debugging - Error Handling - Regular Expressions - Comprehensions - Modules - Virtual and Developer Environments - File Processing - Web Development with Python - Automation with Python and Selenium - Scripting- Web Scraping and BeautifulSoup - Image Detection - Data Visualizations - Kaggle, Pandas, NumPy, scikit-learn - Email and SMS with Python - Working with APIs (Twitter Bot, Password Checker, Translator)
- **Back-end Developer:** [Complete Web Developer](#), by ZerotoMastery
 - Git + Github - Command Line - Node.js - Express.js - NPM - RESTful API Design - PostgreSQL - SQL - Authentication - Authorization - Scalable Infrastructure - Security - Production and Deployment
- **Front-end Developer:** [Complete Web Developer](#), by ZerotoMastery.
 - HTML/HTML5 - CSS/CSS3 - SemanticUI - Responsive Design - Flexbox - CSS Grid - Bootstrap 4 - DOM Manipulation - Javascript (including ES6/ES7/ES8/ES9/ES10) - Asynchronous JavaScript - HTTP/JSON/AJAX - React + Redux
- **Deep Learning (Keras):** [Deep Learning Specialization](#) by Deeplearning.ai.
 - Deep Learning- Machine Learning -Neural Networks, Computer Vision -Natural Language Processing - Speech Recognition
- **Big Data:** [The Ultimate Hands-On Hadoop](#), by sundog-education.
 - HDFS – MapReduce - Pig – Spark – HiveMySQL – Hbase – Cassandra - MongoDB – Drill – Phoenix - YARN, Tez – Mesos – Zookeeper – Zeppelin – Hue – Oozie – Kafka – Flume -Spark Streaming, Flink, and Storm.
- **Data Science (R):** [Data Science: Statistics and Machine Learning Specialization](#) by John Hopkins University.
- **Data Science (Python),** [IBM Data Science Specialization](#), IBM.

To see the certificate, please click on the corresponding underlined text.

[Leiden University](#), (Leiden, The Netherlands)

October 2016 --- October 2020

Ph.D. Candidate | Python Developer | Computational Chemistry

Implemented modern machine learning and statistical algorithms in various programming languages to analyze chemical structures under the supervision of Dr. J. Meyer in collaboration with Prof. H. Jonsson at the University of Iceland

- **Python, R, SQL, C++, Java, Hadoop, Git:** Developed codes in different programming languages and used various technologies:
 - Distributed storage of over 5 TB and distributed processing on over ~ 400 cores (Hadoop, SLURM)
 - Handled small to large projects efficiently (Git)
 - Machine Learning techniques, big data analytics, database management, transforming unstructured data into structured data (Python, SQL)
 - Statistical analysis (R and Python)
 - Fast and optimal calculations (C++)
 - Mathematical modeling (Python)
 - Interactive simulations in chemistry (Java)

[Sharif University of Technology](#), (Tehran, Iran).

September 2014 --- April 2016

Master student | Programmer

Employed machine learning methods to analyze the structured data to assist in research led by Prof. R. Sadighi

- **Deep Learning:** Programmed artificial neural networks to analyze laser pulses for reaching an optimal molecular dissociation.

EDUCATION

Master of Science, Computational Physics, Sharif University of Technology (Tehran, Iran)

- Ranked first with an overall GPA: 19.36/20

Bachelor of Science, Physics, University of Tehran (Tehran, Iran)

- Ranked first with an overall GPA: 18.55/20

Languages

English (Fluent), Dutch (Intermediate), Farsi (Native)

Hobbies

Professional photographing, Negotiating, Investing in financial markets.