

Babäk Firoozi Fooladi

[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

Location: Espoo, Uusimaa, Finland

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DATA ANALYTICS ENGINEER | GIS DEVELOPER | DATA SCIENTIST

A versatile and proactive problem solver with a strong ability to quickly adapt and learn new skills. I possess a solid foundation in spatial data, GIS, econometrics, statistics, and data science, complemented by expanding expertise in data processing and visualisation. I excel at developing analytical solutions and insights for challenges of varying complexity. I am seeking opportunities to further develop and enhance my skills in data engineering and data science.

TECHNICAL SKILLS

Languages : Python, R, Julia, SQL
Databases : MongoDB, PostgreSQL, SQLite, DuckDB
Data Science : Time-series, Spatial econometrics, PCA, Network, TTE, and much more.

EXPERIENCE

DATA ANALYTIC ENGINEERING

Self-Employed | Apex-Heat

Jan 2025 – Present
Self-Employed – Espoo, Finland

- Resolving **technical debt**.
- Migrating from **Pandas** to **Polars** to improve the efficiency and calculation time.
- Improving the design pattern, and **writing documentations**.
- Adjusting an improving data processing test coverage and **testing** methods.
- Optimising** the SQL queries to improve response time.

Ph.D. Candidate

Aalto University

Sep 2020 - Present
Part-time, Espoo, Finland

- Applying Econometric, ML and data analysis for **quantitative research**.
- Modelling and implementing data pipeline to gather and store the research data.
- Preparing the providing research data for researchers.
- Processing HTML and PDF files and implementing RAG to extract structured data from the land use plan documents.
- Providing consultancy, training and lecturing services for data analysis, GIS and research at Aalto university.

Backend Developer Intern

Jan 2021 – Aug 2021

- Assisted senior web developers in the design and development of websites using **HTML, CSS, and JavaScript**

EDUCATION

University of Anystate

Bachelor of Science in Computer Science

Anycity, Anystate, Anycountry
Jan 2016 – Dec 2020

PROJECTS

Project 1

React.js, Redux, PHP, MySQL Git

[Source Code](#)

- Designed and developed a clean and modern website using **HTML, CSS, and JavaScript**
- Optimized website for **speed and user experience**
- Utilized **responsive design** to ensure compatibility across all devices
- Deployed on GitHub pages via GitHub Actions

Project 2

Node.js, Express, JavaScript, Git

[Source Code](#)

- A **CRUD application** exposed using a RESTful API made with Node.js
- Exposed POST, GET, PATCH and DELETE HTTP methods using **Express**

CERTIFICATIONS

- Certified Web Developer by the W3C
- Microsoft Certified: Azure Developer Associate
- AWS Certified Developer - Associate