

# Tolga Uyanık

Data and Software Specialist

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Results-driven Python developer & data analyst with 3 years of algorithmic-trading experience and 2 years at a multinational startup. Architected 13 Datarade data products—each listed on first-page search results across 16 categories—and engineered advanced scrapers using cutting-edge technologies to fuel AI/ML workflows. Ready to propel analytics or fintech teams by uniting product development, data engineering, and quantitative-trading expertise.

## Work Experience

### Data And Software Specialist

Jul 2023 - Present

[De Canaria Inc](#) | United States / New York

- Engineered and maintained robust web-scraping pipelines (LinkedIn, Indeed & other job boards) using Scrapy and custom spiders to ingest millions of job postings monthly.
- Orchestrated the launch of 13 Datarade data products, securing first-page placement across 16 distinct categories and generating our first leads via a newly created marketing channel.
- Participated in Sales & Business Development meetings to uncover customer needs and clearly articulate our data features and product capabilities, crafting tailored demos and proposals that fostered strong industry partnerships.
- Manually validated and annotated outputs from our ML models, ensuring high-quality training data for AI/LLM workflows.
- Contributed to QA and test-process design for the CanarAI GPT product, authoring test cases and evaluating model performance against KPIs.
- Supported the hiring process by sharing daily job postings and leveraging a LinkedIn resume spider to assist with candidate screening and resume review.

### Data And Software Specialist Intern

Apr 2023 - Jun 2023

[De Canaria Inc](#) | United States / New York

- Built Reddit web scrapers with Selenium and BeautifulSoup to collect and normalize comment and post data.
- Gained hands-on experience with Scrapy, laying the groundwork for more scalable crawling pipelines.
- Conducted in-depth analysis of job-posting platforms' business models—mapping out value propositions, customer segments, revenue streams, and cost structures using the Business Model Canvas.
- Synthesized findings into actionable recommendations for platform optimization and go-to-market strategy.

### Salesman

Apr 2018 - Jun 2019

[Flo Shoemaking and Merchandising](#) | Turkey / Ankara

- Engaged customers to understand their needs and recommend the right footwear solutions.
- Managed stock levels and order maintenance, ensuring inventory accuracy and timely restocking.
- Collaborated with fellow associates to meet sales targets in a supportive, competitive environment.
- Resolved customer inquiries through clear communication and practical problem-solving.

## Projects

### Stock Market Analysis Project

Jun 2023 - Present

This project is a stock market analysis tool designed to analyze stocks listed on the BIST100 (XU100.IS) index using the yfinance and pandas libraries. The script fetches stock data, processes it, and generates CSV files for stocks recommended for buying, holding, and selling based on various metrics.

- Developed a stock screening tool that analyzes BIST100-listed stocks using financial indicators and historical data fetched via the yfinance API.
- Engineered data pipelines in pandas to clean, aggregate, and evaluate market data, enabling metric-based classification of stocks into buy, hold, and sell categories.
- Automated the generation of actionable CSV reports to support investment decision-making with clear, structured outputs.
- Integrated logic for custom financial metrics and trading signals, creating a foundation for further development into a full quantitative trading system.
- Demonstrated practical experience in time series analysis, financial data engineering, and reproducible reporting.

### Amazon Scrapy Project

Sep 2024 - Present

This project is a web scraper designed to extract product data from Amazon category pages. It automates the process of collecting structured information such as product titles, prices, ratings, reviews, and ASINs from one or multiple category URLs.

- Built a scalable Scrapy-based web scraper to extract detailed product data from Amazon category pages, supporting multiple URLs simultaneously.
- Automated data collection of product titles, prices, ratings, reviews, and ASINs, enabling structured outputs for analytics or database storage.
- Implemented smart request handling techniques to reduce blocking, including user-agent rotation, proxy integration, and retry mechanisms.
- Designed modular and reusable code to simplify customization for different Amazon marketplaces and product categories.
- Ensured robust performance by handling pagination, dynamic content, and product variations effectively.

## Volunteer Experience

### Book Collector

Sep 2019 - Jul 2022

*Gazi University Library Building Community*

## Core Skills

**Programming & Scripting:** Python

**Web Scraping & Automation:** Selenium, BeautifulSoup, Scrapy, Playwright

**Data Analysis & Visualization:** Power BI, Pandas, Numpy, Microsoft Excel, SQL

**Cloud & DevOps:** Google Cloud Platform

**Web Technologies:** CSS, HTML

**Tools & Collaboration:** Jira, Microsoft Office, Slack

## Education

### Gazi University

Sep 2017 - Jun 2022

**Bachelor of Business Administration** Economics

Relevant Coursework: Member of the Library Building Community,  
Member of Entrepreneurship & Leadership Community

## Gönen Anadolu Öğretmen Lisesi

Sep 2009 - Jun 2014

### High School Diploma

Relevant Coursework: Marching Band Member

## Languages

English (*Advanced*)

## Awards

### Wrestling Silver Medal

Apr 2008

*Ministry of Youth and Sports*

### Wrestling Silver Medal

Apr 2009

*Ministry of Youth and Sports*

## Certificates

### MS Excel Sıfırdan İleri Seviye Excel Öğren

Jul 2022

*Udemy*

### Power BI Sıfırdan İleri Seviye Uygulamalı Power BI Kursu 2022

Aug 2022

*Udemy*

### Data Analysis with Python

Mar 2023

*FreeCodeCamp*

### Business Analysis Fundamentals - ECBA - CCBA - CBAP endorsed

Aug 2023

*Udemy*

### Preparing for the Google Cloud Professional Data Engineer Exam

Aug 2023

*Google*

### Scientific Computing with Python

Apr 2024

*FreeCodeCamp*

### Introduction to AI and Machine Learning on Google Cloud

May 2024

*Google*

### Launching into Machine Learning

May 2024

*Google*

### Build, Train and Deploy ML Models with Keras on Google Cloud

May 2024

*Google*

### Feature Engineering

May 2024

*Google*

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| <b>Introduction to Generative AI</b><br><i>Google</i>  | May 2024 |
| <b>Introduction to Large Language Models</b><br><i>Google</i>                                | May 2024 |
| <b>Introduction to Responsible AI</b><br><i>Google</i>                                       | May 2024 |
| <b>Prompt Design in Vertex AI</b><br><i>Google</i>   | May 2024 |
| <b>Applying AI Principles with Google Cloud</b><br><i>Google</i>                             | May 2024 |
| <b>Machine Learning in the Enterprise</b><br><i>Google</i>                                   | May 2024 |
| <b>Production Machine Learning System</b><br><i>Google</i>                                   | Jun 2024 |
| <b>Machine Learning Operations (MLOps) for Generative AI</b><br><i>Google</i>                | Oct 2024 |
| <b>Working with Notebooks in Vertex AI</b><br><i>Google</i>                                  | Oct 2024 |
| <b>Big Data and Machine Learning Fundamentals</b><br><i>Google</i>                           | Oct 2024 |
| <b>Machine Learning Operation Fundamentals</b><br><i>Google</i>                              | Oct 2024 |
| <b>Machine Learning Operations (MLOps) with Vertex AI: Model Evaluation</b><br><i>Google</i> | Oct 2024 |
| <b>Professional Machine Learning Engineer Study Guide</b><br><i>Google</i>                   | Oct 2024 |
| <b>ML Pipelines on Google Cloud</b><br><i>Google</i>   | Nov 2024 |
| <b>What is Business Analysis</b><br><i>LinkedIn</i>  | Feb 2025 |

## Interests

Cycling, Electric Guitar, Coffee Brewing, Cinema, Meditations, Dogs

**Additional**

- Military Duty Done in April 2025