Niccolò Toccane

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WORK EXPERIENCE

Wonderflow.ai - Software Engineer Intern   Jul 2023 – Sep 2023

- Increased 50% efficiency of data fetching operations developing scripts to daily clean-up MongoDB data-lake.
- Decreased 75% time spent by PMs to identify invalid URLs automating the process through nodejs scripts.
- Developed 30+ web scrapers bots to retrieve reviews from the world's leading e-commerces.
- Written 100+ unit tests to check to notify developers via Slack as soon as a scraper stops working.
- Improved project management and time management skills by working with senior Software Engineers and PMs in a hyper-growth startup environment.

Skills: Javascript, Web Scraping, NodeJS, test-driven development (TDD), MongoDB, Project Management, Jenkins, Docker, Dev OPS

EDUCATION

University of Trento | Trento, Italy   *Sep 2022 – Present*
Computer Science Bachelor Degree

PERSONAL PROJECTS

Tutoro   -   Short demo video

- Developed a website allowing students to find tutors in their area.
- Helped 20+ highschool students find tutors and improve their grades.
- Launched the service as a non profit project in my local town.

Skills: NextJS, React, Typescript, MongoDB, Micro services, Full Stack Web Development, UI/UX design, Open Source

Swappie Smart Scraper   -   Project Overview

- Developed a web scraper to compare prices of iPhones on swappie.com to spot the best deals.
- Succeeded at the round of interview at Wonderflow.ai discussing Swappie Smart Scraper.
- Helped 10+ classmates to find the iPhone they were looking for at the best possible price.

Skills: Python3, WebScraping, BeautifulSoup4 (BS4), test-driven development (TDD), Data Intensive Application Design

Matrix Lab   -   Short demo video

- Built a web app which visualizes matrix operations step by step.
- Helped 40+ university students to better understand linear algebra.
- Improve UI/UX design skills by prototyping the web app using Figma.

Skills: React, Typescript, Linear Algebra, UI/UX design, Algorithms and Data Structures

Personal Finance Dashboard   -   Short demo video

- Developed a web app to track spending habits with calendar-like views and interactive charts.
- Helped 15+ university students to improve their spending habbits.
- Mastered React VictoryChart as a library to implement complex and dynamic charts in web applications.

Skills: React, VictoryChart, UI/UX, Data Visualization, Personal Finance

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SKILLS

Programing: Javascript/Typescript, Python, C, C++, Java, JavaFX, OOP design, HTML/CSS, bootstrap, tailwind, Git/Github, Django, NodeJS, ExpressJS, ReactJS, NextJS, VictoryCharts, D3.js Svelte, SQL, MySQL, MongoDB, Firebase/Firestore, Jenkins, Docker, DevOPS, Linux, Networking, Web Sockets
Design: UI/UX design, Figma, Adobe XD, UML, LucidChart
Languages: English (*C1 advanced*), Italian (*Native*), Spanish (B1 *intermediate*)