

Leo Tulchin

Software Engineer, Consultant, and Systems Administrator

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EDUCATION

General Assembly: *Software Engineering Immersive*
New York University: *School of Arts and Sciences*

Apr 2023 - 07/2023
New York, NY | B.A. 2019 | GPA: 3.70

SKILLS

Languages: JavaScript/React, Python, HTML, CSS, Git Version Control, Java 8, SQL, Liquid, Bash, Apex (Salesforce)

Technologies/Frameworks: Git, CI/CD, .NET, NodeJS, React, Postman, MongoDB, MySQL, BeautifulSoup, Express, Django, Postgres, Heroku, Netlify

Hobbies/Interests:, Strongman competitor, fiction novelist, Best Son Award 26 years running

EXPERIENCE

Software Engineering Apprentice, DialectaAI

05/2023 - Present

- Create full-stack web applications with MongoDB, Express, Node.js, and React (MERN)
- Developing a Spanish tutoring application with the openAI API. Includes text-to-speech and user-tailored conversation prompts. Implementing in ASP.NET Core backend and React frontend
- Create and debug endpoints programmatically. Testing done via Postman and Jest
- Pair programming with a team of developers
- Managing full-project version control with git and github, coordinating all pushes, pulls, merges, branch structure for team of engineers

Computer Science Tutor, Varsity Tutors

03/2022 - Present

- Guide and motivate students of all ages and academic backgrounds with a variety of Computer Science topics, languages, and practical applications including but not limited to: Javascript, Python, and Git/Github
- Encourage students to develop a love for Computer Science and achieve high grades in courses and projects
- Prepare lessons, master new topics quickly, and study subject material before every session

Systems Admin, Tulnoy Lumber

10/2022 - 04/2023

- Managed a diverse portfolio of 50+ client relationships, implementing Salesforce CRM outreach, account management, and in-person consultations.
- Trained employees to use the company's business management database (SQL with frontend UI)
- Led a project to automate inventory control and commodities purchasing systems (MySQL, Google Apps Script), reducing processing time by 40%.

Strategic Consultant, Forge Forward

Mar 2021 - Apr 2022

- Worked directly with C-suite to establish company-wide "best practices" for hiring, database organization, and client relations
- Qualified for Secret clearance to collaborate on technical whitepapers with Department of Defense research teams
- Qualified for Secret clearance to organize onsite and virtual federal briefings on Cybersecurity, research practices, and national security with high-level government personnel.

Wealth Manager, Ameriprise Financial

Aug 2020 - Mar 2021

- Conducted portfolio reviews for 100+ clients, providing strategic recommendations for portfolio rebalancing and reallocation.
- Created a BeautifulSoup web scraper to collect, clean, and analyze financial data
- Automated email outreach and client database organization using Salesforce's superuser tools

PROJECTS

Product and User Management System, General Assembly

- Using a mobile-first architecture paradigm, created a Single Page Application (SPA) Full stack ecommerce web application using React and server side Node.JS, Express and MongoDB
- Implemented an admin login and user management interface
- Encrypted admin passwords using Bcrypt and stored on Cloud DBaaS MongoDB
- Used Jest framework for TDD
- Deployed using microservices such as Heroku Cloud Application Platform and Netlify Connect

Materials Sales Portal, Tulnoy Lumber

- Created and deployed a multi-page frontend prototype for Tulnoy Lumber
- Implemented functional email contact form and sales portal
- Used Google Maps API with accurate, mobile-friendly navigation functionality
- Employed best-practice Search Engine Optimization, connected project to Webflow using "superuser" tools
- Adhered to principles of modern web design, including Visual Hierarchy, Hick's Law, and Gestalt Similarity/Proximity

Portfolio Rebalancing Automation Tool Ameriprise Financial

- Took on an employer assignment to design a web scraper with CSV output, using Python 3 (Beautiful Soup and Pandas), in order to acquire up-to-date financial data automated according to individual client goals
- Acquired, cleaned, updated, and displayed current financial data at automated intervals
- Refactored program to incorporate standard financial adjustments, interact with Microsoft Excel and accompanying Macros