Manfred Fong

Bachelor of Science
University at Albany, New York

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 GitHub
 LinkedIn Profile
 Portfolio

PROFESSIONAL SUMMARY

Data-driven professional with experience analyzing financial statements, assessing risk, and validating data accuracy. Skilled in Python, Google Sheets, and CRM tools to clean data, automate workflows, and produce clear reports. Strong web development foundation with experience in React and TypeScript. Known for identifying discrepancies, improving processes, and applying both analytical and technical skills to support better business decisions.

PROFESSIONAL EXPERIENCE

•The Merchant Marketplace *Sep 2024 - Nov 2025*
Financial Risk Analyst Uniondale, NY

– Maintained **95%+ fraud detection accuracy** across **150+ monthly applications** by analyzing financial datasets using proprietary CRM and risk scoring algorithms
– Reduced fraud risk by conducting **1-3** detailed merchant interviews weekly, validating financial claims, and uncovering discrepancies through investigative questioning.
– Processed **600+ applications quarterly** by systematically extracting and synthesizing data from unstructured financial documents ranging from bank statements, credit report, and tax returns.

•Institute of Electrical and Electronics Engineers (IEEE) - UAlbany Student Branch *Jan 2022 - Aug 2024*
Technical Workshop Coordinator & Web Developer Albany, NY

– Served as founding team member of Hackadamian, UAlbany's now annual hackathon, establishing event structure and technical infrastructure
– Designed and developed the official Hackadamian website using React and Tailwind CSS, increasing registration by **40%**
– Conducted **250+ hours** of programming workshops on APIs and web development for **100+** students

KEY PROJECTS

•Gideon *Full Stack Developer | Job Application Tracker*
  Mar 2023 - Present

– Architected and developed backend for job tracking platform using React, FastAPI, and MongoDB, supporting full **CRUD** operations via **RESTful APIs**
– Implemented **JWT-based** authentication and secure route protection with FastAPI, ensuring **99.9%** uptime
– Developed modular endpoints powering analytics dashboard and calendar system, reducing missed interviews by **50%**
– Reduced user confusion by designing intuitive UI elements that highlight array states, swaps, and comparisons during execution.
– **Tech Stack:** React, TypeScript, Python, Tailwind CSS, FastAPI, MongoDB, Vercel, Google Cloud

•Algorithms Visualizer *Solo Developer | Sorting algorithm visualization tool*
  Mar - Jun 2023

– Optimized performance, achieving **35% faster** load time with **95+** performance scores across devices
– Refactored rendering logic to reduce unnecessary re-renders, improving animation smoothness by **30%**.
– Enhanced visualization with real-time color-coded animations and interactive step-by-step controls
– **Tech Stack:** React, TypeScript, Tailwind CSS

EDUCATION

•Bachelor of Science in Computer Science, Minor in Informatics *2020-24 (Graduated August 2024)*
University at Albany, New York

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, HTML/CSS
Frameworks & Libraries: React, FastAPI, LangChain, Express.js, Angular, Tailwind CSS, Bootstrap
Tools & Databases: MySQL, PostgreSQL, MongoDB, Google Cloud, Railway, Vercel
Analytical Skills: Data validation, financial statement review, underwriting analysis, data accuracy verification

ADDITIONAL INFORMATION

Coursework: Data Structures & Algorithms, Operating Systems, OOP, Database Management, Software Engineering
Interests: Web Development, Artificial Intelligence, Prompt Engineering