

# Manfred Fong

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## PROFESSIONAL EXPERIENCE

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### •The Merchant Marketplace

Sep 2024 - Nov 2025

Data Analyst/Underwriter

Lynbrook, NY

- Supported internal risk scoring and CRM systems by validating and processing financial application data with a strong emphasis on accuracy and consistency.
- Identified discrepancies in submitted data through systematic analysis and investigative workflows, reducing downstream processing errors.
- Conducted regular interviews with external users to clarify system inputs, document findings, and support accurate data entry.

### •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, developed, and maintained a public-facing web application using React and Tailwind CSS to support event registration and student engagement.
- Provided technical support and troubleshooting assistance to non-technical users during events and workshops.

## KEY PROJECTS

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### •Gideon



- Architected and developed backend services using FastAPI and MongoDB to support full CRUD operations via RESTful APIs.
- Designed modular API endpoints to support analytics dashboards and scheduling features.
- Deployed and maintained application infrastructure using Google Cloud and Vercel.
- **Tech Stack:** React, TypeScript, Python, Tailwind CSS, FastAPI, MongoDB, Vercel, Google Cloud

### •Algorithms Visualizer



- Developed an interactive web application to visualize common sorting algorithms and data structure behavior.
- Refactored rendering logic to improve performance and reduce unnecessary component re-renders.
- Implemented step-by-step execution controls and visual indicators to improve clarity and user understanding.
- **Tech Stack:** React, TypeScript, Tailwind CSS

## EDUCATION

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### •Bachelor of Science in Computer Science, Minor in Informatics

2020-24 (Graduated January 2024)

University at Albany, New York

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, Java, SQL, HTML/CSS

**Frameworks & Libraries:** React, FastAPI, 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, credit analysis

## ADDITIONAL INFORMATION

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**Coursework:** Data Structures & Algorithms, Operating Systems, OOP, Database Management, Software Engineering