Chun-Ting (Morris) Shen

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EXPERIENCE

Mamon11 LLC — **New York, NY**
Software Engineer — Oct. 2023 - Current

- Owned and developed a scalable client management system using TypeScript, Angular 14, Node.js, and PostgreSQL, enabling users to control customer status in a consolidated dashboard and a 50% efficiency improvement in client-related processes.
- Conducted system upgrade from Angular 12 to 14, ensuring compatibility with the latest libraries and improving performance.
- Designed and launched an Ad creatives preview UI module using Angular Material to streamline the digital ads publication process, allowing clients to produce AI-generated images and customize images/carousel attributes.
- Integrated Google Ads API and GAQL with Python to automate campaign creation and populate customized user lists and keyword phrases from the database, resulting in a 98% fully automated campaign creation process.
- Applied Amazon Ads API with Postman and Node.js. led the workflow to streamline new client connections and data reporting, leading to an 80% efficiency improvement.

Antra Inc. — **Sterling (Remote), VA**
MEAN Stack Developer — Jan. 2023 - Oct. 2023

- Engaged in all stages of the Software Development Life Cycle, including design, development, and testing, with a focus on Angular, MongoDB, Express.js, and Node.js.
- Skilled in employing tools like Angular CLI, NPM, Jasmine, and Docker for Continuous Integration, coupled with experience in team management methodologies through Jira and Agile Scrum.

Merkle Group Inc. — **New York, NY**
Developer Intern — May 2022 - Aug. 2022

- Leveraged Angular 8 and TypeScript to build web interface and improve user experience with Material library on internal advertisement tools to simplify audience selection on Google Ads client-side features, resulting in a 12% increase in user satisfaction.
- Collaborated with back-end engineers to integrate the service with APIs, improved system stability through data validation and task queues using Python Flask and Celery, and managed version control using GitHub to ensure a smooth transition.

National Taiwan University — **Taipei City, Taiwan**
Research Assistant — Mar. 2019 - Jan. 2021

- Deployed 3 online experiment websites and collected subject's web behaviors and responses using JavaScript, HTML/CSS, and MySQL, streamlined data collection, and scripted regression analysis using VBA, R, and Stata.
- Managed an Empirical Economics experiment on a random coupon advertising campaign with a local online wine store, resulting in a 25% increase in sales results and a 36% increase in checkout rate for first-time shoppers.
- Analyzed and visualized behavioral experiment data while providing data insights to the annual report on advanced Behavioral Economics studies including stochastic impatience, effort momentum, and risk preferences using NumPy, Pandas, and ggplot2.
- Wrote Python Selenium scripts to automate web data scraping in research of food nutrients and process time optimization.

EDUCATION

New York University — **New York, NY**
M.S. in Information Systems — Jan. 2021 - Dec. 2022

National Taiwan University — **Taipei City, Taiwan**
B.A. in Economics — Sept.2013 - June 2018

SELECTED PROJECTS

Robothon Trading Platform (NYU Info Tech Project with Citi) — Aug. 2022

- Refactored competition sandbox platform to containerize and test submitted bots using Python, Docker, InfluxDB, and RabbitMQ.
- Followed behavioral-driven development (BDD) and conducted tests to cover invalid Python code input cases.
- Created pre-submission testing Python scripts to detect invalid trading algorithm submissions on the trading simulation platform.

Data Science for Business (NYU Stern project) — May 2022

- Implemented models for sales predictions using scikit-learn library, including logistic regression, k-Means KNN, and Naïve Bayes.
- Utilized SQL and Python to extract, structure, and analyze data from the Spotify music database, achieved 3rd place in the course competition for fine-tuning the prediction model.

SKILLS

Programming Languages: TypeScript, JavaScript, Python, C#, C++, Java, CUDA, SQL, R, Stata
Tech Stacks: Angular, Node.js, PostgreSQL, AWS, Azure, MongoDB, ElasticSearch, Docker, Git