THOMAS TSANGOU

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EDUCATION

Hunter College/CUNY — **New York, NY**
Bachelor of Arts in Computer Science, Minor in Mathematics — Expected August 2024
NYC College of Technology/CUNY — **Brooklyn, NY**
Associate of Applied Science in Computer Systems Technology — December 2020

EXPERIENCE

Work Ed — **New York, NY**
Program Lead — January 2024 – Present
- Teach +100 students to create AI-powered chatbots using IBM WatsonX Assistant, enhancing their AI skills
- Develop and deliver comprehensive lessons on AI concepts and chatbot development, fostering practical skills and knowledge in young learners

New York, NY *Data Engineering*
Intern – Security — February 2023 – January 2024
- Helped automate the onboarding of over 10,000 databases into IBM Guardium for AT&T, utilizing Python scripting and REST APIs to streamline manual tasks
- Developed a Power BI project to integrate Python Scripts for team-wide deployment, improving data processing and reporting efficiency
- Enhanced data analysis capabilities by generating detailed reports with pandas, and automating Excel interactions using pywin32

IBM — **New York, NY**
Talent Acquisition Intern — June 2022 - December 2022
- Supported a team of software developers to design, implement, and maintain features on the Select for IBM (SFI) software, enhancing its functionality and user experience by implementing features
- Managed and optimized the Cloudant Database using TypeScript, ensuring efficient data handling, storage, and error handling

LEADERSHIP & PROJECTS

Headstarter AI — **New York, NY**
Software Engineering Fellow — July 2024 – Present
- Participate in a 7-week remote fellowship focused on building 5 AI projects, participating in hackathons, and launching a capstone project aiming for 1,000+ users
- Engage in professional development opportunities to build a personal brand, refine interview skills, expand network, and receive feedback on presentations

Investing Club at Hunter — **New York, NY**
Member — September 2022 - Present
- Attended weekly meetings and workshops on topics like stock analysis, portfolio management, and risk assessment
- Participated in discussions and shared insights on investment strategies and market trends

Blacks In Technology — **New York, NY**
Member — March 2021 - Present
- Participate in online forums and discussions to network with other professionals and share industry insights
- Attend the Blacks In Technology annual conference, gaining knowledge about the latest technological advancements and trends
- Volunteer at the Blacks In Technology career fair, assisting job seekers in connecting with potential employers

Custom ELT
Product Manager — July 2024 – Present
- Developed a custom Extract, Load, Transform (ELT) pipeline using Docker for containerization and PostgreSQL for data storage,
- Used a Python script to automate data transfer and transformation from a source database to a destination database enabling error handling and logging for efficient monitoring and troubleshooting

Team Of The Year Predictor (TOTY)
Product Manager — July 2024 – Present
- Collaborated with a team to gather 16 seasons (2008-2023) of European football player performance data from Transfermarkt, a leading football statistics website, using Python and BeautifulSoup
- Performed extensive EDA to uncover trends, relationships, and insights within the dataset and utilized statistical analysis and visualization tools to identify key features correlated with TOTY selection, such as player position, league, appearances, goals, assists, and individual awards
- Developed and selected relevant features to optimize the predictive power of the machine learning models by engineering new features based on domain knowledge
- Implemented a logistic regression model as an initial baseline for TOTY prediction reserving the most recent season (2022/2023) as the test set
- Planned features to implement in the future include a Data pipeline to automate the entire process from data collection to model training for real-time predictions, and a user-friendly web application to showcase the TOTY predictions

SKILLS & INTEREST

Technical: C++ (3 yrs), Python (2 yrs), SQL (1 yr)
Tools: IBM Cloud, Cloudant, Docker, Power BI, Excel
Certificates: IBM Data Science Foundations
Languages: French – Native Fluency, Spanish – Elementary
Interests: Soccer, Tennis, Ping-pong, Philosophy, Hiking, Volunteering