Dario Tao

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Education

University of Toronto   2019-2024

B.S. Majors in Computer Science & Economics, Minor in Mathematics

Relevant Coursework: Software Design, Theory of Computation, Intro to Computer Science and Object Oriented Programming, Calculus with Proofs, Multivariable Calculus, Linear Algebra, Physics I, Python for Data Science, Applied Econometrics, Data Analysis

Skills

Languages: Python, Java, JavaScript, HTML/CSS, R, Stata

Technologies: Git, Express, Node.js, MongoDB Atlas, NumPy, Pandas, Beautiful Soup, AWS, Flask

Work & Co-curricular Experience

University of Toronto Web Development Club   Nov 2022 - Present
Software Developer
- Designed and developed a full-stack application featuring a GUI with Network X and Graphviz, enabling the University of Toronto students to plan and visualize courses with 20+ prerequisites
- Utilized Python's Beautiful Soup library for parsing and inserting 5,000+ UofT's HTML course data into the MongoDB database, improving data accessibility and utilization
- Implemented CRUD operations using Javascript and Express middleware, enhancing database interaction and information display on front-end

Bell   5/2022 – 09/2022
Corporate Strategy and M&A Summer Analyst
- Collaborated with the marketing and data analysis team, leveraging Excel Pivot Tables and V-Lookups on over 2,000 rows of data, generating actionable insights for investment domains
- Conducted financial and data analysis on Bell's $2.4B subsidiary, providing the operating CFO with data-driven insights
- Spearheaded negotiations with Microsoft Azure and Amazon AWS teams, leading to a structured partnership following the successful construction of insightful financial projections

Constellation Software   1/2022 – 5/2022
M&A Intern
- Executed detailed financial modeling for live deals, leveraging advanced Excel tools such as V-Lookups, Pivot Tables, Index & Match, and Solver to analyze and project key operating metrics
- Conducted comprehensive research on over 300 companies, successfully identifying and mapping out software ecosystems and vertical markets for investment pursuits
- Prepared strategic questions for due-diligence meetings, coupled with crafting insightful summary reports highlighting key company metrics post-meetings

Projects

Coursify – Course Requisite Visualizer
- Designed and implemented 'Coursify', a course requisite visualization tool, utilizing directed graphs to significantly enhance academic planning for students
- Built with Python, Flask, and jQuery on the server side, and integrated NetworkX and Graphviz for generating course graphs using data extracted from web scraping with Beautiful Soup

Chess Bitboard Engine
- Developed a chess game engine utilizing a 64-bit bitboard and bit-manipulation techniques, effectively encoding legal chess moves and piece movements
- Employed the Java Swing library to create an interactive, feature-rich GUI
- Adhered to MVC architecture and SOLID design principles to ensure production of clean, extensible code
- Leveraged Git and GitHub planning features for efficient task assignment and team collaboration