

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

- Develop front-end, back-end, and middleware that implements a GUI with NetworkX and Graphviz to allow University of Toronto students to plan courses and visualize courses with 20+ prerequisites
- Utilize Python's Beautiful Soup library to parse 5,000+ courses from UofT's course data in HTML and insert into MongoDB database
- Perform CRUD operations on database information to display to front-end website using JavaScript and Express middleware

BCE, Bell Canada Enterprises

5/2022 – 09/2022

Corporate Strategy and M&A Summer Analyst

- Work closely with marketing & data analysis business unit to generate insights in investment domains by utilizing Excel Pivot Tables, and V-Lookups on 2,000+ rows of data
- Conduct financial and data analysis on Bell's \$2.4B subsidiary, and provide research to the operating CFO with data-driven insights
- Negotiate with Microsoft's Azure team and Amazon's AWS team to structure a partnership after building financial projections

Constellation Software

1/2022 – 5/2022

M&A Intern

- Perform detailed financial modeling on live deals by analyzing and projecting key operating metrics– utilized Excel tools such as V-Lookups, Pivot Tables, Index & Match and Solver
- Conduct research on 300+ companies to identify and map out vertical markets of investments to pursue
- Prepare relevant questions for prospecting and due-diligence meetings leadership and write summary report with key company metrics during each meeting

Projects

Coursify – Course Requisite Visualizer

- Develop a tool to visualize course requisites and prerequisites with directed graphs to enhance the academic planning experience 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

- Develop chess game engine using a 64-bit bitboard, and using bit-manipulation to encode legal chess moves and piece movements
- Utilize Java Swing library to implement an interactive GUI with complex features
- Follow MVC architecture with a focus on SOLID design principles to product clean, extensible code
- Utilize Git and GitHub planning features to assign responsibilities to team members