Yuanman Mu

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EDUCATION

Boston University | Boston, MA

B.S. in Computer Science | GPA: 3.6   **May 2025**

Relevant Courses: Software Engineering, MEAN Stack Application Development, Data Science for Goods, Foundations of Data Science, Introduction to Database Systems, Theory of Computation, Analysis of Algorithms, Computer Systems, Combinatoric Structures, Probability in Computing, Data Science in R, Modern Regression Analysis in R, Linear Algebra

TECHNICAL SKILLS

Programming Languages: Java (Advanced), Python (Advanced), R (Advanced), JavaScript (Intermediate), HTML (Intermediate), Kotlin (Intermediate), C (Intermediate)

Familiar with: SQL, noSQL, XML, Node.js, MongoDB, DBMS, Jetpack Compose, Linux

PROJECTS

Impact Analysis | Client Based Project   **May 2024**
- Client: Mayor's Office of Returning Citizens, City of Boston
- Developed a comprehensive web dashboard analyzing the impact of the office of returning citizens (ORC) in FY22-24
- As a leader, led weekly meetings, client meetings, data analysis, dashboard backend development, database schema
- Utilized technologies: Python, JavaScript, MongoDB, React, Trello, Slack
- Analyzed the statistical impact from the performance of ORC, helped generate interactive graphs for their annual report

Spotify Library-Based Web Application | School Project   **Dec 2023**
- Collaborated with a team of 4 and developed a fully functional web application with a dynamic JavaScript-based front-end, an Express.js based back-end, a MongoDB database that stores back-end application state
- Coded most of the back-end & API integration & database interactions

Statistics Team Project | School Project   **Dec 2022**
- Topic: "Comparative Analysis on Apartment's Average Rent Price in Four Different Neighborhoods near BU."
- Organized team members for different jobs such as hypotheses establishing, data collection, data analysis.
- Analyzed cross-sectional data with variables room size, year built, bed types, days on markets, crime rate, and average income to understand their influences on rent price.
- Found significant positive relationships between year built, bed types, room size and rent price.

PROFESSIONAL EXPERIENCE

Client Services & Support | BU IT Help Center IS&T | Boston, MA   **Sept 2023 – May 2024**
- Help school community troubleshoot general problems related to tech products, via phone, email, and walk-ins
- Primary diagnose hardware problems via walk-ins, create tickets and deliver information to repair department

RESEARCH EXPERIENCE

Analysis of Machine Learning Techs | CIEI | Nanjing, China   **Aug 2023**
- A group cooperative research and paper on analyzing the performances of CNN, ANN, GRU, LSTM, ARIMA, and Transformer on forecasting stock prices
- Participated in the research and found LSTM outperformed other algorithms
- Produced a paper "*Comparative Analysis of Different Machine Learning Techniques in Forecasting Stock Price*"