Mo Zhai

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A data science specialist with years of working experience in data engineering, system design and implementation, predictive modeling, and data visualization. Keen to apply computer science and statistical analysis (machine learning) expertise to data platforms design, implementation and refining.

A hard worker with great learning skills and abilities to work in a fast-paced, dynamic, cross-functional and highly pressured environment. An enthusiastic heart for data science and IT industries.

Education

University of Chicago - Master of Science in Analytics   **03/2016 - 12/2018**

Courses: Adv. Machine learning, Statistical Analysis, Time Series, Deep Learning, NLP, Bayesian Methods
Honorable Capstone Showcase for Graduation **(GPA: 3.9)**

DePaul University - Master of Science in Computer Game Development   **09/2009 - 03/2012**

Graduation with distinction **(GPA: 3.98)**

Skills

Field & Practices: Machine Learning, Database, Data Mining, Distributed Computing, Statistical Analysis, Mobile development, Deep Learning, Web development.

Programming Language: Python, R, Swift, SQL, C#, Objective-C, Java, C++, SAS, CSS, JavaScript, PHP…

Frameworks: Scikit-learn, Shiny app, TensorFlow, iOS, Spark, ASP.net, OpenGL, Android, Keras, React Native, Angular, Solr, Liferay, Tableau…

Tools: Visual Studio, XCode, R studio, git, Azure, AWS, PyCharm, Eclipse, Jira, Unity3D, Enterprise Miner

Experience

Data Engineer @ William Blair & Company   **6/2018 - now**

- Backtesting project for finance (Python)
- Data cleaning for data warehouse. (Azure and Spark)
- Data cleaning pipeline/visualization project (Shiny, R)

Data Science Instructor @ Coding Temple   **1/2018 - 6/2018**

- Design and write data science class curriculum covering machine learning algorithms and programming languages.
- Lecturer of Database Design, NLP, Machine learning, Python, Web development (Flask) classes

Software Engineer @ Echelon Consulting, L.L.C.   **5/2012 - 9/2017**

- Visualization Price Reporting dashboard for Analysis: SQL Server, ASP Web API, Kendo UI,
- Athletic Club Website and Mobile App: Database design. ASP web API design and implementation. Drupal (PHP) and jQuery frontend implementation. Sales mobile iOS app with transaction functionalities (frontend to backend).
- Synergy Financial Analysis Project: Developed core financial web applications (with analysis and visualization competent) for a global business using ASP.Net MVC, Dojo JS and SQL Server.
- Mobile Apps for a Global Law Firm: Implemented secured iOS/Android apps (front-end to back-end).
- Liferay Portal Site: Upgraded the company website for a global management consulting firm using Liferay. Implementing and supporting the company HR and portal website (Java).
- Location Tracking app: Implemented tracking system with hybrid app (Cordova) component.

Software developer internships @ Space to Play   **2/2012 - 4/2012**

- Accomplished a 3Ds Max plug-in in C++, which facilitates editing and visualization of urban 3D building models from geo-spatial database (Post GIS).

Graduate Assistant and Tech support @ CDM, DePaul University   **01/2011 - 03/2012**

Network Engineer @ China Mobile   **08/2007 – 03/2009**

- Analyzed, and refined the central node of the company PSTN network.
- Analytics tools development for a multiple million equipment upgrading project.