# Mira (Han) Min

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## Education

### **Northeastern University**

*September 2022 - Present*

* M.S. in Computer Science, **GPA: 4.00/4.00**
* **Relevant Coursework**: Intensive Foundations of Computer Science, Discrete Mathematics, Object-Oriented Design, Data Structures, Algorithms, Computer Systems, Foundations of Software Engineering, Database Management Systems, Web Development, Mobile Application Development

### **Zhongnan University of Economics and Law**

*September 2016 - June 2020*

* B.S. in Economics (Taxation), **GPA: 3.59/4.00**
* **Relevant Coursework**: Calculus, Probability Theory and Mathematical Statistics, Linear Algebra, Statistics, Computer Application Foundation, Database Application, Literature Information Retrieval and Utilization, Econometrics, Tax Experiments

## Projects

### **PetTalks: Social Media Platform for Pet Lovers**

*Technologies: React, JavaScript, Node.js, MySQL, Material UI*

* Developed a robust social media platform using **React** and **Node.js**, which includes content posting, user engagement, and recommendation features.
* Launched the product using **AWS** and **docker** and attracted over 100 registered users.
* Added searching functionalities by pet, by content, by user on the platform, enhancing user search efficiency and improving user experience.

### **AutoMarketInsights: Used Car Price Analysis Web Application**

*Technologies: Python, Pandas, React, Node.js, Selenium*

* Constructed a **web crawler** using **Python** and **Selenium** to aggregate car listings from multiple websites such as CarMax and CarFax, collecting over 100,000 unique entries.
* Analyzed data with **Pandas** to identify used cars’ price trends in US, building a dashboard using **Tableau** to visualize the trends in different conditions.

### **Calendar Master: A Google Calendar-like Android App**

*Technologies: Android, Java, Node.js, MongoDB*

* Developed an Android application in **Java** to manage all kinds of meetings, helping users easily organize their life events and work planning.
* Designed a user-friendly interface for users, providing them with conflicts resolution and smart meeting planning assistance.
* Integrated a data serialization system using **JSON** and a **Node.js** backend with **MongoDB**, enabling seamless cross-device synchronization and data backup.

### **ArrayBoost: High-Performance Python Computing Engine with C++ Backend**

*Technologies: Python, C++, Cython*

* Engineered a **Python** computing engine with a **C++** backend, providing a 20x performance boost to handle complex computations.
* Developed a **Python API** using **Cython**, allowing developers to easily access the engine’s capabilities while leveraging improved performance.

## Skills

* **Programming Languages**: Python, JavaScript, Java, C++
* **Technologies**: Node.js, HTML/CSS, React, Angular, jQuery, Bootstrap, Material UI, Git, Docker, Selenium, Markdown
* **Databases**: MongoDB, MySQL
* **Data Analysis**: Pandas, NumPy