Mira (Han) Min

✉ min.han@northeastern.edu · 📞 +1 (408)887-7859 · 🔗 han-min

🎓 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 · Web 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 the users to easily organize their life events and work planning.
- Designed a user-friendly interface for the 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