XIAOTI HU

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EDUCATION

Northeastern University   **San Jose, CA**
Master of Science in Computer Science – Align, GPA:4.0/4.0   01/2023 - 05/2025 Expected
Selected Courses: Data Structure and Algorithms, Object-Oriented Design, Database Management, Mobile Application Development, Cloud Computing

Washington University in St. Louis (Wash U)   **St. Louis, MO**
Master of Landscape Architecture and Urban Design   08/2015 - 12/2018

Beijing Forestry University   **Beijing, CN**
Bachelor of Landscape Architecture   08/ 2010 - 05/2015
Honor: The Second-class Scholarship（Top 10%）

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, Kotlin
Data Analytics: SQL, NoSQL, R
Web & Mobile Development: HTML/CSS, MongoDB, Firebase, API, Figma, Android SDK
Technology: AWS, Git, Junit, Selenium, BeautifulSoup, Pandas, PyTorch, Scikit-learn, GIS, Adobe Suite, Auto CAD

PROFESSIONAL EXPERIENCE

NAK DESIGN STRATEGIES   **Orlando, FL**
Project Coordinator   03/2019 - 02/2022
- Designed and deployed a **Java**-based app interacting with Geographical Information System (**GIS**) for site tree plan analysis, achieving a 96% accuracy and resulting in a 20-hour reduction in labor per project.
- Pioneered the creation and optimization of Excel procurement spreadsheets, integrating advanced **SQL** functionalities that increased data processing efficiency by 30% and empowered the entire organization to perform swift daily data analysis.
- Played a pivotal role in partnership with the project management team, driving the design and documentation process of diverse community projects from inception through to construction, ensuring seamless project execution.

SELECTED PROJECTS

Android Budgeting App *(SmartSpendMax)*   01/2024 - Current
- Developing an **Android application** with advertising platform using **Java**, conceived to cater to various user roles including advertisers and normal users, each with tailored views and functionalities.
- Integrating **Google Firebase** to secure scalable storage and a dynamic notification system, resulting in increase in user retention through personalized ad delivery
- Crafting an intuitive app interface UI using **Figma**, streamlining the design process with **Git** for version control and team collaboration.

Ticket Reservation System   07/ 2023 - 08/2023
- Architected a **Java**-based backend for a theater reservation system, applying the **MVC pattern** and devising algorithms that optimized seat allocation for diverse datasets.
- Wrote the unit tests via **Junit** library to achieve the coverage with 97% and processed test cases to support UAT.
- Led a 3-person development team enhancing code quality through reviews and facilitating feature integration discussions over a 6-weeks.

Real-Time Flight Information Search Web Application   03/2023 - 04/2023
- Developed a Python-based web scraping tool with Selenium and BeautifulSoup to capture live flight data, illustrating expertise in real-time data processing.
- Constructed a **Flask** web application, integrating front-end (**HTML, JavaScript**) and back-end (**Python**) technologies for dynamic data interaction, showcasing full-stack development capabilities and user experience design.

CERTIFICATIONS

Post-master's Certificate in Artificial Intelligence Applications for Health Data (WashU)   12/2022
JPMorgan Software Engineering Virtual Experience   03/2024