

Zhaoshan Duan

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EDUCATION

- Northeastern University** **Sept. 2023 – Present**
M.S. in Computer Science | courses: data structure & algorithms, mobile development *Oakland, CA*
- California State University, East Bay** **Aug. 2020 – May 2022**
M.S. in Statistics | courses: statistical learning, natural language processing, applied research *Hayward, CA*

PROJECTS

- MeowGPT** | *Python, Streamlit* **Jan. 2024**
- Developed a GPT-powered chatbot specialized in answering cat-related questions.
 - Integrated OpenAI's GPT-3.5 API to analyze user input and generate appropriate response generation.
 - Implemented login authentication with local user login information.
 - Designed an intuitive user interface to enhance user engagement and satisfaction.
- AthenaCard Project** | *Kotlin, Android* May 2022
- Contributed to the development of study assistance app
 - Initiated and led stand-ups and code review twice a week throughout the development.
 - Managed Github issues; Worked to ensure effective communications among teammates.
 - Identified scalability limitations; Reconfigured existing data model, back-end solution (**back4app**) and **Material UI** design.
 - Presented the application to an audience of 20+.

EXPERIENCE

- Tech Fellow** | *Kotlin, Android* **Jan. 2023 – Apr. 2023**
CodePath.Org *San Francisco, CA*
- Collaborated with instructors and program managers in developing and conducting the training.
 - Coached, mentored and motivated 20+ students throughout the training, providing guidance on technical challenges, best practices for Android development, and application architecture.
 - Provided on-demand real-time technical support to over 50 students through slack, effectively answering technical questions and resolving bugs.
- Software Development Intern** | *Kotlin, Android* **Aug.2022 – Nov. 2023**
Global Technology Specialists Partners *Santa Clara, CA*
- Contributed to the development and prototyping of a matchmaking mobile application,
 - Implemented user authentication with **Firestore Auth** and **Firestore UI**: implemented support for log-in via email and/or Google account, and support for user management on Firebase console.

TECHNICAL SKILLS

Languages: Kotlin, Java, Python, C/C++, XML, SQL, JavaScript, HTML/CSS, shell script, R, lua
Frameworks: Android Jetpack, Java Spring, Retrofit, Material Design Component, JUnit, R Tidyverse, Jupiter
Database: SQLite, MySQL
Developer Tools: Git, Android Studio, IntelliJ, NeoVim, Gralde, Maven, L^AT_EX, Markdown
Libraries: pandas, NumPy, Matplotlib, Seaborn, Plotly, ggplot2, Shiny, Scikit-Learn
Backend Services: Firebase, Back4App | **Design Pattern:** MVP, MVVM

ACADEMIC ACHIEVEMENT & LEADERSHIP

Datathon Reward: 2022 DataFest Best in Show of CSU East Bay
Scholarship: 2022 Statistics Department Scholarship of CSU East Bay
Orgs Founder and President of American Statistics Associations Student Chapter at CSU East Bay
Executive Officer of Data Science Club at CSU East Bay