

AIDAN MA

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## Professional Experience

### Bank of America *Software Engineer (Mobile)*

Mar 2023 - Apr 2024, United States

- Conducted UI upgrades in Kotlin for the Bank of America consumer mobile app by collaborating with stakeholders through Jira
- Led two engineers in debugging a login page flow which ensured user data is properly handled and parsed on login
- Handled data linkage and upgraded the portfolio UI between the Merrill Lynch and consumer applications to facilitate investment profiles being shown on the consumer application for the first time
- Built internal tools for QA on NoSQL and SQL data sets which sped up detecting data errors by 80%
- Implemented unit testing classes using Mockito which ensured code functionality before PRs

### Mantra DAO *Software Engineer Intern*

Jul 2022 - Aug 2022, Hong Kong

- Built an API endpoint in JavaScript to migrate MantraCoin smart contracts from the Ethereum to the Hedera blockchain
- Extensively documented functions and business requirements on Github for the API, as well as presenting these documents to senior management
- Initiated a workshop on educating internal staff on technical blockchain topics which garnered a 90% satisfaction rating

### The Development Studio *Data Analyst Intern*

Jun 2020 - Aug 2020, Hong Kong

- Provided IRR analysis in Excel, site visits and qualitative analysis on 42 Tung Street and other undervalued real estate properties which aided in the purchase of 42 Tung Street
- Manually extracted and cleaned data from online data sets to feed into the internal statistical models which helped senior management identify new opportunities

### M.Magtague Group *Product Analyst Intern*

Jun 2019 - Aug 2019, Hong Kong

- Presented market analysis on menswear to the product team which aided them in choosing fast fashion design trends for development
- Designed 4 Michael Kors jacket graphics using Adobe Illustrator for the menswear department, one of which was selected to present to the Michael Kors team

## Software Projects

### Support Ticket Endpoint

2024, Personal

- Built a RESTful API endpoint using Flask to parse and filter out redundant support ticket content which cut down word count by 40%
- Implemented modern technologies to speed up word parsing, namely ChatGPT API and the Rabin-Karp algorithm, which improved efficiency by more than 100%

## Education

### Brown University

Sep 2017 - Dec 2022 (Gap), Providence, RI

### Bachelor of Arts Computer Science - Economics Track

**Relevant Coursework:** Artificial Intelligence, Design and Analysis of Algorithms, Operating Systems and Networks, User Interface and User Experience, Discrete Structures and Probability

## Skills

**Computer Language** Java (Proficient), Python (Proficient), JavaScript (Intermediate), CSS (Intermediate), C (Intermediate), SQL (Basic)

**Development Skills** Mobile: Android, iOS, SwiftUI, Mockito Web: React DevOps: Jira, BitBucket, Confluence, Jenkins, Git Networking: Flask, Node.js, Postman OS: Linux Database: AWS Web: React

**Languages** English (Native), Mandarin (Limited Professional)