Program Overview

This document outlines the different membership tracks offered for Spring 2018.

DevCore

The DevCore is the heart of MDB. Members in DevCore work in teams with fellow members to create their own mobile applications. MDB provides its teams with an Agile-based development cycle that takes them through the design, implementation, and launch of their product. At the end of the cycle, teams will have the opportunity to present their application to a panel of industry professionals and to the entire campus community through pitches and the App Fair.

All apps produced by the club must fit into one of the following divisions, reflecting the hottest areas in tech today:

- Machine Learning / Artificial Intelligence
- Augmented Reality / Virtual Reality
- Internet of Things
- Blockchain
- Other (for apps that don't fit into any of the divisions listed above)

Benefits:

- Opportunity to work on an idea that you are passionate about
- Stronger project portfolio and valuable resume experience
- Improve your abilities to design and develop
- Experiment with new technologies by joining different divisions
- Eligibility for grant money for marketing and advertising your application

Contract

Contract teams are the money makers of MDB. The contract team is small, including 1 or 2 PM/Architects and a couple developers. On this team, members are responsible for getting a full

business solution completed for the client (in the form of a mobile app, UX research, web supplement, etc.).

Benefits:

- Opportunity to make money for MDB
- Real industry level experience
- Greatly increasing your skills as a developer

Training Program

The training program is mandatory for first semester members and optional for anyone else. Members choose a platform, either Android or iOS, and spend 6 weeks mastering development for that platform. Topics you will learn include layouts (both basic and dynamic), UI design, backend databases (we use Firebase), using APIs, and more. Every week you will learn a new topic and your understanding is enhanced by a mini-project covering that topic. There will be a midway and final assessment, each for us to get an understanding of each of your progress. At the end of the training program, you will go through a expedited DevCore process in which you design, develop, and launch a small scale application in groups before the end of the semester.

Benefits:

- You will become very proficient in Android or iOS with our refined curriculum and content
- Senior Developers and Instructors hold office hours weekly to answer any questions
- You will have an application on the App Store or Google Play Store by the end of the semester
- Every team is assigned a mentor to provide assistance at any part of the development process