

As the world becomes more populated, a major problem arising is the amount of private automobiles that exist. Between traffic and congestion, and the endless amounts of parking areas taking over once public spaces, something must be done to address this growing problem. The aim of this research is to find a transportation solution that can bridge the gap between an efficient mode of public transportation and the users' destination, thus encouraging people to rely less on their personal vehicles. To be truly effective, this will require a multi-modal transportation system, consisting of different transportation types that serve different functions to make up a comprehensive system. The part of that system this project aims to address is the last mile. This is the area where public transportation fails, and it also provides an opportunity to solve multiple problems at the same time.

## FLUID E-MOTION | ANNAPOLIS, MD. USA | GRADUATE UPPER LEVEL

This project focuses on the area of Downtown Annapolis, Maryland. Through the use of autonomous vehicles, this project aims to provide an alternate way to visit the historic area, helping to remove cars and parking from the waterfront and give that space back to the public. With autonomous vehicles becoming more prominent, I believe architecture has a unique role in defining the success of this new technology. This projects primary function is a transportation center, however to be truly successful, an anchor and supporting functions are also necessary to keep it in use. The proposed building explores manufacturing with 3D printing for autonomous vehicles and building components, allowing it to be more self-sufficient and provide a sustainable path towards the future of transportation and buildings.



## Site Character





# Initial Concepts



Final Concept



#### Concept Plans



#### Concept Plans



### Site model



#### Site Plan



Main Floor Plan



#### Ground Floor Plan



### Building Sections



## Section Rendering



## Overhead Rendering



## Moment Renderings



### Model



### Model

