



## Digital Commons@

Loyola Marymount University  
LMU Loyola Law School

---

Honors Thesis

Honors Program

---

12-15-2023

### Ascot App

Milla Penelope Markovic  
mmarkov1@lion.lmu.edu

Follow this and additional works at: <https://digitalcommons.lmu.edu/honors-thesis>



Part of the [Other Computer Sciences Commons](#), and the [Other Plant Sciences Commons](#)

---

#### Recommended Citation

Markovic, Milla Penelope, "Ascot App" (2023). *Honors Thesis*. 527.  
<https://digitalcommons.lmu.edu/honors-thesis/527>

This Honors Thesis is brought to you for free and open access by the Honors Program at Digital Commons @ Loyola Marymount University and Loyola Law School. It has been accepted for inclusion in Honors Thesis by an authorized administrator of Digital Commons@Loyola Marymount University and Loyola Law School. For more information, please contact [digitalcommons@lmu.edu](mailto:digitalcommons@lmu.edu).



**Loyola Marymount University**  
**University Honors**  
**Program**

# Ascot App

A thesis submitted in partial satisfaction  
of the requirements of the University Honors Program  
of Loyola Marymount University

by

**Milla Penelope Markovic**

**December 15, 2023**

**Co-authored by Coby Schumitzky, Aaron Floreani, Evan Yu,  
Christina Choi**

**Abstract:**

The Ascot App is a research tool for acquiring and analyzing data. The app comprises of both mobile and web platforms, each serving a unique purpose. The mobile side allows users to input data through the app's form, which is uploaded to a database for further processing and analysis. The web app, which is still under development as of April of 2024, allows users to manage their research project and download data in the form of a parsed CSV. These components ensure a seamless process for research teams to record data with persistence and security while allowing for analysis.

Ascot App was originally created for Dr. Demian Willette, Associate Professor of Biology at LMU, who was having trouble obtaining data on his plot of 500+ plants in Los Angeles. He required an easy solution for taking data and transmitting it to his home computer where he could analyze it using a CSV. While the Ascot App was initially created for Dr. Willette's research, we hope the end users will include all types of research teams, especially those in the Life Sciences Department, who regularly need to collect and analyze large amounts of data.

**Application:**

The following link directs users to the Ascot App on the Apple App Store:

<https://apps.apple.com/us/app/ascot-app/id6477841935>