

# CRANCS Storm Project Abstract

The Cyclist Routing Algorithm for Network Connectivity (CRANC) is a web-based decision-support tool for transportation planners. This study discusses advancements made by a team of computer science capstone students to improve the functionality, enhance the usability, and increase the adoption of the CRANC tool through successful prototype development and testing. Specifically, the team implemented new user profile capabilities for collecting GPS traces within a new mobile app and expanded the tool's isochrone feature to incorporate points of interest, further strengthening its value for real-world planning applications.