

Smart City Infrastructure

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Vertically Integrated Projects Program



The Vertically Integrated Projects (VIP) Program unites undergraduate education and faculty research in a team-based context.

Undergraduate VIP students earn academic credits, while faculty and graduate students benefit from the design/discovery efforts of their teams.

Vertically Integrated Projects Program



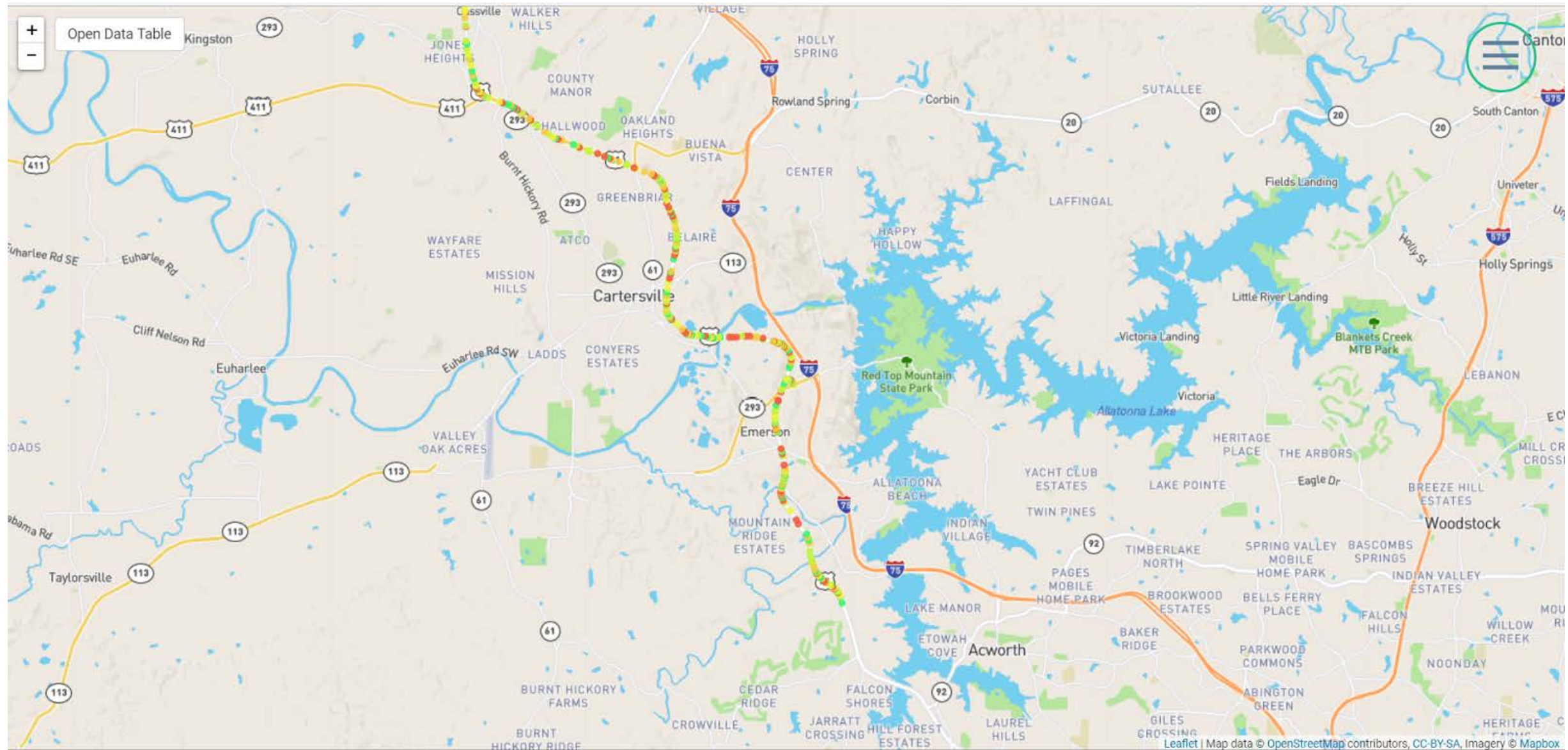
- Led by Dr. James Tsai
- On its 4th semester
- ~10 UG students join every semester
- 30+ students from ECE, CS, ISYE, ME and CEE have been involved

CurveFinder

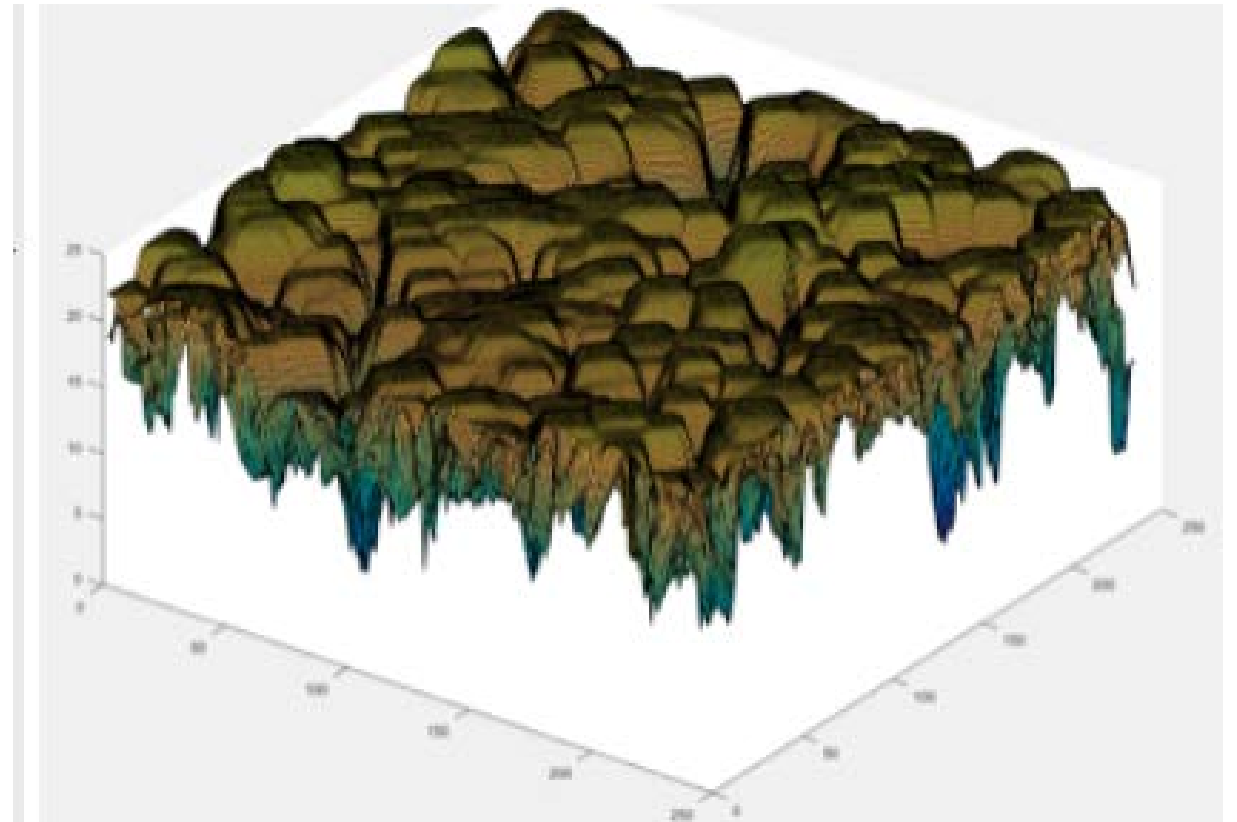


- Detects and analyzes curves from GIS data
- Input data can be as simple as GPS points from smartphones
- Web app for high portability

Visualizer



Laser Scanner Calibration and Validation



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