

### Nikolai Winnyk | Technician II



#### EDUCATION

- David N. Myers College
  - Bachelor of Science, Business Management, 2001
- Cuyahoga Valley Career Center
  - Computer Aided Design Certificate, 2011

#### PRACTICE AREAS

- Small UAS (Drone) Services
- Drone Mapping and Surveying
- Photogrammetry

#### REGISTRATIONS

- FAA Licensed Remote Pilot
- FLIR Certified sUAS (Drone) IR Thermographer Level 1

#### CONTACT

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#### EXPERIENCE

As a drone pilot, Nikolai Winnyk has logged more than 975 flights and more than 150 hours of project flight time, capturing more 75,000 photos and videos across the country. He is also involved in training and supporting drone pilots at WJE. Mr. Winnyk assists pilots with formulation of project safety plans and drone safety initiatives, as well as securing FAA waivers and authorizations for projects in restricted airspace.

#### REPRESENTATIVE PROJECTS

##### Small UAS (Drone) Services

- Rock and Roll Hall of Fame - Cleveland, OH: Facade survey
- Papa J's Inc. Building - Carnegie, PA: Aerial drone survey of fire damage to multistory restaurant and apartment building
- Perry International Victory Monument - Put-In-Bay, OH: Facade survey using UAS drone for the National Park Service
- Sidney Square - Pittsburgh, PA: Visual survey of building enclosure
- UH Ahuja Hospital - Beachwood, OH: Infrared (IR) condition survey of roof
- Midtown Towers - Pittsburgh, PA: Facade survey, roof report, and 3D mapping using UAS systems
- May Building - Pittsburgh, PA: Facade survey, roof report, and 3D mapping using UAS systems
- University of Pittsburgh - PA: Campus-wide facade surveys of more than twenty-five educational buildings and student housing
- University of Pittsburgh Medical Center - PA: Campus-wide facade survey of more than thirty medical building and hospitals
- Cathedral of Learning - Pittsburgh, PA: Full facade survey of limestone structure
- Hanna Building at Playhouse Square - Cleveland, OH: Facade ordinance inspection and condition survey
- Bulkley Building at Playhouse Square - Cleveland, OH: Facade ordinance inspection and condition survey
- Cleveland City Hall - OH: Roof survey and crack gauge monitoring
- Vitro Glass Plant - Pittsburgh, PA: Interior IR condition survey of fire damaged structure

- Turnberry Towers Apartments - Aventura, FL: Hurricane damage inspection
- Marriot Stanton Hotel - Miami, FL: Hurricane damage survey
- Beggs Building - Columbus OH: Condition survey of facade and 3D mapping
- 1100 Peachtree Office Building - Atlanta, GA: Condition survey
- Four Seasons - Atlanta, GA: Condition survey of 56-story hotel complex
- PNC Park - Pittsburgh, PA: Facade ordinance and condition survey of baseball stadium
- New Energy Solar - Bladenboro, NC: Wind damage survey of solar panel damage
- St. Anne's Church - Waterbury, CT: Facade survey and 3D rendering of church steeples
- Dupont - Circleville, OH: Construction collapse survey and 3D mapping survey
- Federated Tower - Pittsburgh, PA: Facade ordinance and condition survey on twenty-seven-story complex
- West Side Market Clock Tower - Cleveland, OH: Condition survey

##### Drone Mapping and Surveying

- Trimont Condominiums - Pittsburgh, PA: Drone survey of facade involving an exposed cast-in-place reinforced concrete structural framing system
- Tribute to Children Monument - Pittsburgh, PA: Aerial drone survey of stone monument
- University of Houston - TX: Aerial 3D mapping and surveys of the roof of thirty-nine campus buildings following Hurricane Harvey
- 54722 Chelsea Court - Chelsea, IN: Warehouse roof survey and 3D mapping
- Dayton, OH: Mapping of tornado damage and 3D modeling of damage
- The Pennsylvania State University, Biomechanics Teaching Laboratory/Water Tower 1 - State College: Mapping and 3D modeling of water tower