

# Travis Park

Palisades Park, NJ

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## EDUCATION

**Rutgers, The State University of New Jersey - School of Engineering**

**New Brunswick, NJ**

*Bachelor of Science in Civil Engineering*

*May 2028*

- **Relevant Coursework:** Mechanics of Solids, Statics & Dynamics, CADD, Engineering Probability & Statistics

## SKILLS

**Software:** AutoCAD, Civil 3D, Revit, MATLAB, Microsoft Excel

**Languages:** English (*Fluent*), Korean (*Conversational*), Spanish (*Elementary*)

## PROJECTS

**FireGuard – Real-Time Firefighter Monitoring System**

*Team Project | April 2026*

*Rutgers IEEE x RUHART Build-A-Thon; 1st Place: Best Overall*

- Designed a 3D enclosure in AutoCAD and generated STL files for 3D printing, collaborating with a multidisciplinary team to develop a real-time monitoring system tracking motion, air quality, and temperature using embedded sensors
- Delivered and tailored a live pitch to 4 industry judges and multiple in-person evaluators, incorporating firefighter LODD data to justify system design and real-world safety impact, contributing to 1st Place Best Overall of 22 teams

**Fire Hydrant & Water Main Mapping**

*Independent Project | February 2026*

- Aggregated hydrant location data of Palisades Park, NJ, from CAD (Computer Aided Dispatch) records & legacy water main maps (est. 1970s–1990s) to approximate distribution patterns and develop a visual infrastructure reference map

**Civil 3D Municipal Mapping**

*Independent Project | January 2026*

- Developed a scaled municipal base map of Palisades Park, NJ, in Autodesk Civil 3D by importing and structuring roadway, parcel, hydrography, and boundary GIS data with proper layers, lineweights, and coordinate systems
- Integrated parcel and roadway datasets to support infrastructure visualization and potential future site, utility, or transportation design applications

## PROFESSIONAL EXPERIENCE

**Rutgers University Athletics - Division 1 Football**

**Piscataway, NJ**

*Equipment Manager*

*February 2025 - Present*

- Manage 130+ NCAA Division I student-athletes and 100+ coaches/staff, ensuring full equipment readiness for daily practices, travel operations, and a 12-game season (3 non-conference, 9 Big Ten Conference matchups)
- Oversee offensive line equipment logistics within a Big Ten (NCAA D1) program, managing gear distribution, maintenance, and real-time adjustments during high-intensity drills and live gameplay
- Coordinate practice and game-day operations in a Division I environment while balancing a full-time engineering course load and 40+ hour weekly commitment

**Piscataway Volunteer Fire Department - Holmes Marshall Fire Company**

**Piscataway, NJ**

*Firefighter*

*December 2024 - Present*

- Respond to 15+ weekly emergency incidents serving District 2 (~8.5 mi<sup>2</sup>) within the 19 mi<sup>2</sup> Township of Piscataway
- Execute engine company operations and support rescue functions through Squad truck deployment, assisting with fire suppression, search, and technical rescue tasks
- Deploy large-diameter hose systems as part of the Middlesex County Large Diameter Hose Task Force, establishing extended water supply in rural or limited-hydrant areas

**Palisades Park Volunteer Fire Department**

**Palisades Park, NJ**

*Firefighter*

*March 2023 - Present*

- Respond to 20+ weekly emergency incidents serving the entire 1.25 mi<sup>2</sup> borough, executing rapid deployment in a high-density environment
- Operate in coordination with the 10-municipality East Bergen Mutual Aid system during multi-town incidents

## CERTIFICATES

**OSHA Construction 10-Hour**

*April 2026*

**New Jersey State Certified Firefighter II** (Pro Board #NJ050949, IFSAC #03634715)

*August 2024*

**New Jersey State Certified Firefighter I** (Pro Board #NJ050736, IFSAC #03634502)

*October 2023*