

Matthew D. Maggio

EDUCATION & CREDENTIALS

Bachelor of Science in Civil Engineering

Rutgers University • May 2012

Engineer-in-Training (EIT) Certification

New Jersey, 2012

EMPLOYMENT EXPERIENCE

Pintsch Bubenzer USA – Flemington, New Jersey

December 2014 – Present

Applications Engineer – Sales Department

Collaborating with Germany based design engineers to develop customized products for the US market.

- Perform engineering calculations based on customer data to provide pre- and post-sale engineering support for disc, drum, and hydraulic industrial braking systems.
- Regularly interface with customers in various formats including on-site field measurements, trade shows, and telecommunications.
- Utilize modeling software to modify existing brake designs to satisfy unique customer applications.

New Jersey Turnpike Authority – Woodbridge, New Jersey

July 2014 – December 2014

Maintenance Engineer – Engineering & Construction Division

Providing engineering support to the Maintenance Department through the completion of assigned facility and roadway projects.

- Direct and manage the efforts of consulting engineers, architects, and subordinate members of the department to provide active design and construction supervision.
- Observe and identify maintenance needs and make appropriate recommendations for improvements involving the roadways and accompanying structures, while providing in-field direction to Authority supervisors and contractors.
- Respond to and resolve roadway emergencies which adversely affect the Authority and its property.

Rutgers University – New Brunswick, New Jersey

December 2011 – July 2014

Research Engineer – Civil & Environmental Engineering Department

Creating devices and software to optimize the daily operations of roadway engineers.

- Collaborate with New Jersey Turnpike Authority engineers to collect and organize their digital data in the development of on-the-job friendly applications utilized by field engineers and management.
- Head a team in designing and installing mobile detection devices in New York City subways to monitor passenger traffic patterns and guide city planners in minimizing commuter traffic.
- Create strategic placement plans in partnership with subway personnel to maximize data collection while maintaining a safe commuter environment.

COMPUTER SKILLS

Software

- AutoCAD
- SAP2000
- SolidWorks
- Windows / Linux / MacOS

Languages

- Java
- PHP
- JavaScript
- Visual Basic
- HTML
- CSS
- C
- C++

Technologies

- JQuery
- AJAX
- AngularJS
- Android API

Databases

- MySQL
- Oracle
- MongoDB