

Matthew Schick

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Education

Clarkson University - Potsdam, NY

May 2020

Bachelor of Science in Civil Engineering

- Minor in Environmental Engineering
- Concentration in Structural Engineering
- GPA: 3.916
- Presidential Scholar's award Spring 2017-Fall 2018 semesters

Work Experience

New York State Department of Transportation, Construction Division, Region 8

Summer 2017

Poughkeepsie, NY

Transportation Construction Inspector 1

- Inspected a paving operation of a two-lane 10.5-mile state highway from start to finish
- Performed material quantity calculations in the field based on measurements and material specifications
- Drafted field drawings of contractor mill-and-fill operations at intersections with unique geometry
- Wrote daily work reports recording construction operations such as material quantities, and work zone traffic control measures

New York State Department of Transportation, Traffic Division, Region 8

Summer 2018

Poughkeepsie, NY

Engineering Intern

- Developed complete timing plans and wiring diagrams for four coordinated traffic signals due for reconstruction utilizing an understanding of signal phasing and traffic volume counts
- Reprogrammed and retimed three traffic signals resulting in decreased wait times and improved traffic flow
- Analyzed data of signals in areas of heavy construction using ATMS.now to determine if the timing plans continued to function properly
- Participated in meetings involving a major commuter transit project into New York City

Engineering Experience

Concrete Canoe, Clarkson University

Fall 2017-Present

- Challenged with designing a high strength concrete mix that additionally is lighter than water
- Performed many tests to identify desirable material ratios to achieve high compressive strength
- Partook in construction of the hull of the canoe and participated in the ASCE conference at RPI in Spring 2018

Parking Lot Project, Clarkson University

Fall 2017

- Designed a solution that would both increase the parking capacity on campus and be more environmentally sustainable
- Created an environmental impact statement that stated and analyzed the environmental impacts that would result from the construction of the new parking lot

Leadership Experience

American Society of Civil Engineers, Clarkson University

Fall 2017-2018

Secretary

- Arranged many workshops and events that provided industry exposure and professional development to attending members
- Corresponded numerous emails with faculty and students on campus coordinating logistics and providing details for meetings
- Actively participate and provide meeting minutes for E-board members, giving details about future events and delegating roles for preparation

Clarkson University Jazz Band

Fall 2018-Present

Treasurer

- Managed a budget of \$3,000 to go towards payment of the music director and purchase and maintenance of instruments and equipment

Technical Skills

MATLAB, LabVIEW, Site Manager, ATMS, Microsoft Office Suite, Google docs, Google Slides, Google Sheets