

# 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: 3.93
- Presidential Scholar's award Spring 2017-Spring 2019 semesters
- Clarkson University Civil and Environmental Engineering Award for Writing

## Industry Experience

### Hampton Roads Connector Partners Joint Venture, Flatiron Construction

June-August 2019

Norfolk, Virginia

Engineering Intern

- Performed quantity takeoffs for concrete waterproofing protection using Bluebeam software, the geometry on the plan documents and Excel
- Identified material suppliers that carry the appropriate materials for our project's needs and provided a scope of works that contained the expectations for the material suppliers such as the material quantities and installation procedures from the manufacturers
- Analyzed geotechnical data reports to determine soil properties and quality which was used to assist with deciding the most effective soil improvement plan on the artificial islands
- Assisted Coordination Efforts between design and construction teams by creating a flow chart for the design constructability review process

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

May-August 2018

Poughkeepsie, New York

Engineering Intern

- Developed complete timing plans and wiring diagrams for four coordinated traffic signals due for reconstruction using an understanding of signal phasing and traffic volume counts
- Reprogrammed and retimed three traffic signals resulting in improved efficiency of traffic flow and reduced congestion
- Analyzed data of signals in areas of construction using ATMS.now to determine if the timing plans continued to function properly

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

May-August 2017

Poughkeepsie, New York

Transportation Construction Inspector 1

- Oversaw a paving operation of a two-lane, 10.5-mile state highway from start to finish
- Learned how to read and understand plan documents and the classification and cataloguing of materials
- Created daily work reports noting daily construction operations including quantities, locations, personnel, equipment, and traffic control measures and any accidents that occurred for documentation and payment purposes

## Engineering Experience

### Clarkson University Concrete Canoe

Fall 2017-Present

Co-captain (Fall 2019-Present)

- Led the concrete mix design team and developed a lightweight concrete mix using a proper understanding of material properties and mixture proportioning
- Assisted in the construction of the hull of the canoe and participated in ASCE conference at RPI in Spring of 2018

## Leadership Experience

### Clarkson University Jazz Band

Fall 2018-Present

Treasurer (Fall 2018-Present)

- Managed a \$3,000 budget and purchased of new music and equipment such as instruments and amplifiers
- Attended Budget meetings to procure funding for the 2019-2020 academic year
- Performed several shows per semester including some charity events raising money for St. Jude Children's Hospital

### American Society of Civil Engineers, Clarkson University

Fall 2017-Fall 2018

Secretary (Fall 2017-Fall 2018)

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

## Technical Skills

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