

# Brian Andrew Weiner, EIT

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Permanent Address  
6811 Hemingway St.  
Johnston, Iowa 50131

<b>OBJECTIVE</b>	Obtain a career that applies my Civil and/or Geotechnical Engineering background.	
<b>EDUCATION</b>	<b>Colorado School of Mines</b> - Golden, CO M.S. Degree in Civil Engineering - Geotechnical Engineering Focus (Non-Thesis) GPA: <b>3.88/4.0</b> Research Topic: Non-destructive acoustic testing of jet-grout columns	2016
	<b>Rose-Hulman Institute of Technology</b> - Terre Haute, IN B.S. Degree, Civil Engineering – Magna Cum Laude GPA: <b>3.73/4.0</b>	2013
	<b>Sample of Coursework:</b> Advanced Soil Mechanics, Foundation Engineering, Earth Retaining Structures, Geological Site Investigation, Hillslope Hydrology and Stability, Unsaturated Soil Mechanics, Water Resources, Finite Element Analysis, Underground Construction and Tunneling Design, CE Materials, Structural Design - Concrete, Structural Design – Steel, Stream Restoration, Engineering Economics	
<b>SKILLS</b>	<ul style="list-style-type: none"><li>• One year of experience in consulting geotechnical engineering; v creating proposals, estimates, and reports</li><li>• Using Geostudio, MathCAD, Matlab, Clara W, and Excel to perform engineering analysis</li><li>• Surveying using both manual and electronic equipment in the field</li><li>• Reading, creating, and editing AutoCAD drawings</li><li>• Modeling and analyzing geotechnical design issues using FLAC3D and Phase2</li><li>• Trained in Olson Engineering Non-Destructive Testing (NDT)</li><li>• Experience performing various ASTM soil testing methods in both lab and field</li><li>• Experience running various ASTM tests on cementitious materials</li></ul>	
<b>RELEVANT EXPERIENCE</b>	<b>Engineering Technician III</b> Employer: Terracon 600 SW 7 <sup>th</sup> St. Suite M., Des Moines, IA 50309 Supervisor: Michael Sampson (515) 557-3846 <ul style="list-style-type: none"><li>• Performed concrete sampling, testing, and observation</li><li>• Experience running nuclear density tests of soil placement</li><li>• Observing various construction activities to ensure specifications are met</li><li>• ACI Field Testing Technician Grade I certified</li></ul> <b>Staff Engineer</b> Employer: Kumar & Associates, Inc. 2390 S Lipan St., Denver, CO 80223 Supervisor: Greg Monley (303) 742-9700 <ul style="list-style-type: none"><li>• Generated cost estimates and scope of work to create proposals with</li><li>• Created drill programs for geotechnical site investigations</li><li>• Scheduled utility locates at sites and coordinated drilling schedules</li><li>• Performed field logging and sampling of on-site soils</li><li>• Assigned lab work for soil samples collected</li><li>• Wrote geotechnical engineering studies with recommendations for various site uses</li><li>• Analyzed slope stability and seepage analyses using Geostudio</li><li>• Performed field percolation and double-ring infiltrometer tests</li></ul>	Sept. '16 - Present  June '15 – July '16

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### **Engineering Intern**

Employer: SCI Engineering, Inc.  
130 Point West Blvd., St. Charles, MO 63301  
Supervisor: Shawna Erter (636) 949-8200

- Coordinated drill instructions and other planning prior to site investigations
  - Conducted logging of borehole drilling and test pit exploration activities
  - Administered hand penetrometer, shear vane, and Rimac testing on field samples
  - Inspected drilled pier installation by verifying soil units and bearing conditions
  - Performed hand auger exploration and sampling
  - Calculated bearing capacity, settlement, and seismic design parameters
- Drafted geotechnical reports and recommendations based on field exploration

June '14 –  
August '14

### **Summer Intern**

Employer: Summit Testing and Inspection (ST&I)  
910 White Pond Dr., Akron, OH 44320  
Supervisor: Eric King (330) 472-2707

- Conducted Proctor tests following both methods B and C in the lab
- Gathered results from Relative Humidity tests and Calcium Chloride tests
- Tested concrete in the field for slump, air content, and forming of cylinders
- Inspected post-tension cables to ensure allowable limits were met
- Conducted compression tests for breaks on concrete cylinders
- Took core samples from asphalt and concrete specimens

June '12 –  
August '12

### **Summer Intern**

Employer: Summa Health Systems – Facilities Construction Department  
525 East Market St., Akron, OH 44304  
Supervisor: Ed Friedl (330) 375-7876, retired

- Reviewed drawings submitted by architects for projects
- Filed RFI's on drawings and assisted in answering some
- Created AutoCAD drawings for office changes and updating old floor plans
- Walked sites and observed construction process
- Attended meetings with contractors, architects, and hospital parties involved

June '11 –  
August '11

## **ACTIVITIES**

### **Research Assistant for Mike Mooney '14-'15**

*Performed research work for acoustic testing of jet-grout soil columns.*

### **Teaching Assistant for Mechanics of Materials '13-'14**

*Worked through example problems in recitations, hosted office hours to answer student questions on homework, and graded student homework assignments.*

### **President of Concrete Canoe Club '12-'13** (member from '10-'13)

**ASCE Annual Report Chairman '12-'13** (member of ASCE since Fall '10)

**Member of Boy Scouts of America Troop 1 of Akron, OH '01-'09**

## **HONORS**

**Completed FE Exam:** April '13

**Member of the Order of Engineers:** member as of May '13

**Dean's List:** Entirety of Undergraduate Degree

**Blue Key Honor Society:** member as of Fall '12