

# Cody A. Arnold

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## EDUCATION

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### **GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA** *August 2016 – Current*

Ph.D. in Civil Engineering (*Expected Fall 2024*)

Master of Science in Civil Engineering (*Expected Fall 2021*)

Bachelor of Science in Civil Engineering (*August 2016 – December 2019*)

### **Middle Georgia State University, Cochran, GA** *August 2014 – May 2016*

Associate of Science in Physics

Dean's List Scholar

## SKILLS & CERTIFICATIONS

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### **ACI Field Testing Technician Grade 1** *2017-2022*

### **Nuclear Gauge Safety Certification**

**Practical:** HogenTogler S-CPTu, ASTM Standard soil testing procedures for fine and coarse aggregate soils, Soil Identification, Soil Strength Testing

**Software:** ArcGis, ArcMaps, AutoCAD, MathCAD, BlueBeam, Microsoft Office, ERDAS Imagine, CLIQ, Visual Slope, MATLAB, Trimble GPS

## EXPERIENCE

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### **Georgia Institute of Technology Geosystems Group, Graduate Research Assistant** *April 2019 – Current*

- ☐ Laboratory Testing and Characterization of Mine Tailings (Triaxial, Cyclic Simple Shear, etc.)
- ☐ In-Situ Field Testing (S-CPTu)
- ☐ Developing New Testing and Molding Procedures
- ☐ Detailed Data Collection and Reporting

### **Center for Spatial Planning Analytics and Visualization, Graduate Research Assistant** *August 2020 – December 2020*

- ☐ Land Cover Classification of Satellite Imagery (ERDAS Imagine)
- ☐ Land Cover Statistics and Data Management (ARC Map)
- ☐ Data Visualization (ARC GIS Online Dashboards)

### **Kiewit Infrastructure Southeast, Engineering Intern** *May 2019 – August 2019*

- ☐ Daily Quantity Tracking and Cost Reports
- ☐ Quantity Takeoffs and Estimating
- ☐ Project Proposals, Contracts, Submittals to Client
- ☐ Trimble GPS

### **Willmer Engineering, Co-op** *May 2017 – December 2018*

- ☐ Field and Lab Testing of Concrete, Asphalt, and Soils

### **Georgia Tech Department of Housing, Resident Advisor** *2017-2018*

- ☐ Maintained rules and enforced housing policies

## PUBLICATIONS

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“Evaluation of Thawing and Stress Restoration Method for Artificial Frozen Sandy Soils Using Sensors” - Sensors 2021

“TAILENG mine tailings database” - Tailings and Mine Waste 2020 Conference

## ACTIVITIES AND AWARDS

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**Al McEachin Memorial Scholarship** *2021*

**Geosystems Poster Symposium Runner-Up** *2020*

**Georgia Power Civil and Environmental Engineering Fellowship** *2020*

**Chi Epsilon, Editor** *2017-2018*