CHRISTOPHER BARCELLONA

14007 Old Peartree Road | Huntsville, AL 35803

 (256) 541-4145  [cbarcellona@bellsouth.net](mailto:cbarcellona@bellsouth.net)

# SUMMARY Highly motivated Civil Engineering graduate with EIT certification, skills in CAD and GIS, seeking full-time engineering position.

**EDUCATION University of Alabama Huntsville Huntsville, AL**

Bachelor of Science in Civil Engineering, April 2016

Major GPA: 2.39/4.0 Overall GPA: 3.06/4.0

**Relevant Engineering Coursework**

Transportation Engineering

Urban Transportation Plan

Traffic Engineering Design

Reinforced Concrete Design

Foundation Engineering

Bridge Design

Environmental Engineering

Hydraulic Engineering Design

Civil Engineering Design

**EXPERIENCE Election Data Solutions Huntsville, AL**

Geospatial Analyst, May 2016 – Present

* Preformed geospatial analysis and data analytics using ArcGIS for public and private clients
* Collected, analyzed, and created election products for outreach, and management activities
* Deliver location intelligence to understand market characteristics and business performance

**Utility Automation Integrators, Inc. Huntsville, AL**

Geospatial Technician Intern, June – August 2009

* Project Manager for Commercial Land Base Project for the City of Mobile – Public Services Division
* Managed a two-intern team to evaluate digital land bases and correlate data to generate findings
* Responsible for Phase 1 final report, timesheets, POs, invoices, and NDA’s using Microsoft Office

**PROJECTS Senior Design Project**

Structural and Foundation Lead, Spring 2016

* Assisted with foundation design and structural analysis on Madison Sq. Plaza Redevelopment
* Delivered analysis of soil field data and determined soil properties for construction
* Generated a spread footing for building pad, calculations, and analysis of specifications

Site Planning and Cost Estimation Lead, Fall 2015

* Generated Phases 1 & 2 schematic and construction drawings to renovate the existing Natatorium
* Assisted contractors with Olympic pools & seating, parking lot, and utilities using MicroStation
* Improve load design of new roof trusses by 20% using STAAD Pro and erosion control structures and drainage systems using StormCAD and Bentley Pond Pack

**SKILLS** Experience with – **CAD:** MicroStation and AutoCAD – **Structural:** STAAD Pro –

**Hydrologic:** StormCAD and Pond Pack – **GIS:** ArcGIS – **Office:** Microsoft Office

**ACTIVITIES** American Society of Civil Engineers, Spring 2013-present

**& HONORS** Phi Theta Kappa, Honor Society, Fall 2010-present

College of Arts and Sciences Dean’s List (GPA 3.0 and above), Fall 2009, Spring 2010, Fall 2010, Spring 2011, Spring 2012, and Fall 2012