

# George Carson

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908-307-8925

## EDUCATION

**Louisiana State University (LSU), Baton Rouge, Louisiana**

**May 2020**

Bachelor of Engineering, Major in Environmental Engineering, Minor in GIS

**Related Coursework:** Groundwater, Hydrology, Hydraulics, Air Pollution, Water Resources

## PROFESSIONAL EXPERIENCE:

### Senior Design Project

**8/2019-Current**

- Design green infrastructure for a community group called Blight to Bioswales in New Orleans, LA
- Conduct analysis to determine effects of green infrastructure on existing stormwater infrastructure
- Perform calculations to determine pollutant removal rates of green infrastructure

### Louisiana State University, Baton Rouge LA

#### Fluid Mechanics Supplemental Instructor

**8/2019-Current**

- Hold SI sessions where fluid mechanic problems and topics are reviewed
- Hold office hours for those students seeking extra help
- Create problem sheets for students
- Attend workshops about teaching theory

### Louisiana State University, Baton Rouge LA

#### Residence Life Desk Assistant

**8/2017-8/2019**

- Provide excellent service for residents living in the building
- Log building issues and contact maintenance crews for repairs

### Louisiana State University, Baton Rouge LA

#### Civil Engineering Research Assistant

**8/2015-12/2015**

- Maintain safety, efficiency and cleanliness in the laboratory
- Prepared concrete samples for strength testing
- Determined soil composition and particle size distributions
- Collaborated with a small team to determine concrete makeup

## SKILLS:

- GIS (ArcMap, QGIS, ArcPro)
- HEC-RAS, SWMM, HEC-HMS, GIFMOD, AUTOCAD
- Design of water distribution/wastewater management systems
- Design of water/wastewater treatment systems
- Air pollution modeling and control
- Design of solid/hazardous waste management systems

