

Mitchell Sawtelle

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Education

Bachelor of Science in Civil Engineering
2019

Expected Graduation Date: May

Oklahoma State University Stillwater, Oklahoma

GPA: 3.32/4.0

Work Experience

Research Assistant, Oklahoma State University

March 2017-Present

- Updated and maintained GIS software related to hydrography and watershed modeling using Python 3.
- Worked in an interdisciplinary team developing an autonomous water vessel for use in water quality and bathymetry data collection.
- Developed algae and turbidity indices for Grand Lake Dam Authority using Landsat satellite imagery and Python 3.
- Worked in a lab environment analyzing produced water samples.

Community Mentor (RA), Oklahoma State University

August

2018-Present

- Mediated disputes between residents.
- Organized community events.
- Enforced residence hall rules and policies.

Fiber Optic Inspector, Zayo Group

May 2015-August 2015

- Supervised the installation of fiber optic cable via underground and aerial routes.
- Documented bore logs and fiber location on redline plans.
- Ensured the safety of construction crews during fiber installation.

Software Proficiencies

- Python 3 (Numpy, Scipy, Pandas, GDAL, scikit-learn, flask)
- HTML\CSS
- AutoCAD
- Some Javascript
- ArcGIS\QGIS

Honors

- OSU Non-Resident Achievement Scholar 2014-Present
- Presidential Honor Roll 2014-2015

Community and Campus Involvement

- College of Engineering, Architecture, and Technology:
Freshman Council Member 2014-2015
- ASEE Conference Student Research Poster Competition November 2017