

# Jacob P. Rogers

**E.I.T.**



(FE Passed, License Pending Graduation)

**LEED**

**Green Associate**

Philadelphia, PA – JacobPatrickRogers@Gmail.com - (610).329.8246

## EDUCATION



### Drexel University, College of Engineering

- Bachelor of Science in Civil Engineering
- Concentration in Structural Analysis

**Philadelphia, PA**

Anticipated Graduation June 2022

Cumulative GPA: **3.62**

## WORK EXPERIENCE

### Pennoni Associates Inc.

*Site Design and Land Development Engineer*

**Philadelphia, PA**

March 2021 – Present

- Analyzed site feasibility and performed conceptual planning for new projects in a wide variety of industries
- Drafted utility sizing, sections profiles and layouts for existing and proposed structures
- Acted as a vital role in the permitting process through technical report writing, quality control and time management skills
- Created erosion and sediment control plans for projects with various sizes and constraints

### NV5, Inc.

*Transportation Design Engineer*

**Philadelphia, PA**

April 2018 – October 2018

- Provided design and drafting work on iconic transportation projects such as the Delaware River Trail
- Modeled turning motions and ADA ramps for projects within the Greater Philadelphia Area
- Performed field inspections to determine status of projects
- Developed base plans for projects through a mixed use of GIS and PA One Call systems

### Sustainable Water Resource Engineering Lab

*Water Resource Analyst*

**Philadelphia, PA**

September 2018 – March 2020

- Designed and analyzed site grading in the context of storm water management
- Calculated and modelled drainage basins per local standards
- Produced clear and concise data reports and figures for management and client review
- Assessed green roof efficiency in terms of energy consumption and runoff reduction

## RELEVANT EXPERIENCES



### Students Tackling Advanced Research (STAR) Scholar

*Data Researcher*

**Philadelphia, PA**

June 2018 – September 2018

- Developed relationships between evapotranspiration and energy reduction for the Javits Conference Center
- Interpreted green stormwater infrastructure data for runoff reduction efficiency
- Presented research reports and data reviews to New York City Parks Department and National Park Service

### Academy of Natural Sciences

*Laboratory Technician*

**Philadelphia, PA**

September 2017 – February 2018

- Performed intricate botanical DNA extractions
- Coordinated meetings with diverse teams based in Germany, England and the United States
- Classified test specimens based on miniscule distinguishing features
- Applied systems management theory to streamline production of the lab

## SKILLS



**Software:** AutoCAD Civil 3D 2018/2020, HydroCAD, SAP2000, Fusion 360, Vista Data Visions, Adobe Illustrator, Photoshop, ProCreate, Bluebeam Revu, Microsoft Suite

**Programming:** Python, R Language, C++

## ADDITIONAL ACTIVITIES

- Event Leader, St. Baldrick's Foundation Fundraiser
- American Society of Civil Engineers
- Executive Board, *Sigma Phi Epsilon*
- Weekend Warriors, Trip Coordinator