

CIVIL/ENVIRONMENTAL/BIORESOURCES ENGINEERING INTERN FOR FALL 2022

NextGen Engineering is seeking qualified students currently pursuing a degree in Civil, Environmental or Bioresources Engineering for a paid part-time Internship to assist professional staff with engineering projects at our Tucson, Arizona office.



DUTIES AND RESPONSIBILITIES

Day to day duties will include some of the following depending on current projects:

- Apply theoretical knowledge and problem-solving skills from academic training to civil/environmental engineering applications.
- Assist with engineering design using computer-based technical tools and models.
- Make technical writing contributions to progress reports, design basis reports, letters, memoranda, plans, specifications, and proposals.
- Input and analyze data, including preparing maps, tables, and figures using Excel and GIS.
- Assist staff engineers, hydrologists, the Business manager, CAD operators (draftsmen), GIS operators, inspectors, contractors and/or construction personnel.
- Assist with fieldwork such as storm water pollution prevention plan (SWPPP) inspections and contractor oversight.
- Serve as a teaching assistant in NextGen's Fundamentals of Engineering exam preparation course (in collaboration with the University of Arizona).

SKILLS, EXPERIENCE AND QUALIFICATIONS

- Currently registered as a Bachelor (Junior or Senior) or Graduate university degree program in civil or environmental or bioresources engineering discipline. (required)
- Experience with GIS, CAD, HEC-RAS, HEC-HMS, Python, Matlab and/or Microsoft Office. (preferred)
- Outstanding academic credentials and exceptional interpersonal, technical writing, and problem-solving skills. (preferred)

ABOUT THE COMPANY

NextGen Engineering, Inc. is an engineering and consulting firm that specializes in water resources, Civil Engineering, including hydraulic structures design, floodplain modeling. NextGen intentionally works to train the next generation of engineering and water resource professionals. NextGen is located in Tucson, Az. For more information visit www.NGenEng.com.

BENEFITS OF BEING A NEXTGEN INTERN

- Gain hands-on experience using basic engineering principals on real world projects.
- Learn how to use AutoCAD or GIS for real-project applications.
- Enhance your technical writing and communication skills.
- Get exposure to project dynamics and project management.
- Learn to review and interpret design and construction drawings.
- Work in a friendly and training environment

HOW TO APPLY

For immediate and confidential consideration, please send a detailed resume and statement of purpose outlining specific career goals to admin@ngeneng.com.