Current Internships for Computer Science and Engineering
Colorado Mesa University

JGMS: Summer Intern
Posted 5/19/22

JGMS has some intern positions for the summer at Los Alamos National Lab. The job description and info on how to apply is in the link below. JGMS will be paying for housing in Santa Fe, travel and per diem (not a bad deal!). The position is a mix of mechanical and civil engineer. Info can be found at: https://jgmsinc.powerappsportals.com/vacancies/apply_process/?id=3374db5f-c388-423a-9aa0-9f203c0f14e5

Rolland Consulting Engineers: Field Surveyor/CAD Technician Summer Internship
Posted 5/18/22

Rolland Consulting Engineers is a well-respected Civil Engineering and Surveying Company in Grand Junction, Colorado. The qualified candidate must have a valid driver’s license, good driving record, be reliable, have a willingness to learn and have excellent communication and organizational skills. The work will include some physically demanding work on construction sites and some office work. Survey experience not required. AutoCAD drafting experience a plus.

- 30-40 hrs/wk throughout summer
- Starting pay $18.50/hr
- Possibilities for continued work
- Please respond by Thursday, May 26th
- Email a resume to hr@rcegj.com

City of Fruita: Engineering Technician
Posted 4/20/22

**Job Title:** Engineering Technician  
**Department:** Engineering  
**Salary Range:** $25.27 - $26.75 per hour, depending on qualifications  
**Benefits:** Health Insurance, Dental Insurance, Vision Insurance, Holiday Pay, Sick Time, Vacation Time, 401(a), Flex Spending Account, and AFLAC Supplemental Insurance  
**Supervisor:** Public Works Superintendent  
**FLSA Status:** Full-time – Non-Exempt
No. of Open Positions: 1

POSITION SUMMARY
Under the supervision of the City Engineer, the position will perform general project surveying, planning, design and inspection for capital projects and site and subdivision developments. This position will provide exemplary customer service to the employees and citizens of the City of Fruita.

ESSENTIAL DUTIES AND RESPONSIBILITIES
Performs a wide variety of duties involving all areas civil engineering. Other duties may be assigned as needed.

- Collect project survey data through GPS and/or total station methods
- Effectively use Civil3D and its tools to develop base drawings and develop designs for Capital Projects
- Develop cost estimates for projects.
- Inspect development and capital construction projects.
- Update GIS database as necessary.

SUPERVISORY RESPONSIBILITIES
There are no supervisory responsibilities with this position.

POSITION REQUIREMENTS
Education, Training, and Experiences
Associate’s degree in engineering or related degree preferred, 2 years of experience in engineering, surveying, or office engineering work. Must be at least 18 years of age.

Special Licenses, Registrations, or Certificates
Must have a satisfactory driving record.

Knowledge, Skills and Abilities
- Attention to detail.
- Strong communication skills.
- Ability to use engineering computer programs well including Civil 3D and ESRI.
- Strong math skills.
- Ability to follow detailed directions.
- Understanding of engineering concepts.
- Ability to communicate clearly, both orally and in writing.
- Ability to establish and maintain effective working relationships with others.
- Ability to maintain strong customer service skills in handling and dealing with a large portion of the general public.
- Ability to meet deadlines and manage multiple tasks
- Ability to represent the City in a professional manner

PHYSICAL DEMANDS AND WORK ENVIRONMENT
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
While performing the duties of this job, the employee is frequently required to climb, balance, stoop, kneel, crawl, crouch, reach, grasp, feel, and perform repetitive motions. This position requires the ability
to lift, carry, push or pull up to 50 pounds. Specific vision abilities required by this job include close
vision, visual acuity, and ability to adjust focus. The noise level in the work environment is usually
moderate to extremely noisy. Work environment is both inside and outside with the majority of it
performed inside but does include work during inclement weather conditions.

TO APPLY:
Submit an application, cover letter and resume to Human Resources, City of Fruita, 325 E. Aspen, Fruita,
CO 81521 by April 22, 2022.
The City of Fruita is an Equal Opportunity Employer

Innovative Textiles, Inc – Engineering Intern
Posted 3/31/22

Innovative Textiles, Inc., a wholly-owned subsidiary of Shimano, Inc., and the manufacturer of Power Pro
fishing line, is seeking a part-time (20 - 30 hours per week) engineering intern. This position will start as
soon as possible and will report to the Mechanical Design Engineer.

CAD/Design
☐ Document new and existing equipment
☐ Validate accuracy of existing drawings
☐ Design & fabricate parts as need
☐ Interface electro-mechanical components

Documentation & Costing
☐ Standard Operating Procedure researching/writing/revising
☐ Create/update parts lists and machine costing
☐ Documentation of programming/settings of machine parts

Required Skills:
☐ Strong mechanical skills
☐ Basic electrical understanding
☐ Strong writing, organizational, and math skills
☐ Knowledge of Microsoft Excel, Word, and PowerPoint
☐ Training in CAD (Solidworks or OnShape) and proper drafting standards
☐ Ability to articulate effectively with management and other staff
☐ Proven skill in written communication and organizational ability
☐ Ability to handle multiple consecutive projects
☐ Team-based attitude

In this position, you will learn:
Components of manufacturing equipment, their functions, and how they interact

How to document equipment for cross-functional teams and various department needs

How to cost equipment values

If you feel you are a good candidate for this position, please submit a resume to Dana Hansen at dhansen@powerpro.com

Research Experience for Undergraduates – Testing and Machine Learning for Context-Driven Systems
Posted 3/31/22

The REU Site: TaMaLe (Testing and Machine Learning for Context-Driven Systems) is currently accepting applications for Summer 2022. They seek to provide undergraduate research students with opportunities to motivated students. No previous research experience is required. Students will work on exciting projects that focus on research problems to improve the reliability and security of context-driven systems such as mobile and web applications.

Participant Eligibility Requirements:

- Must be enrolled in an undergraduate program in Computer Science, or a related field.
- Must be an undergraduate in good standing
- Must be a US citizen or US permanent resident
- Must complete the on-line application

Accepted students will receive:

- The opportunity to work on exciting research.
- $6,000 stipend (total) for 10 weeks.
- The opportunity to be part of program that has a strong emphasis on collaboration with other students
- The opportunity to work remotely with a team and to be part of a team that follows best practices for remote work with daily standups and collaborative technology.

Please apply here: [https://www.nsfetap.org/award/233/opportunity/232](https://www.nsfetap.org/award/233/opportunity/232)

Denver Industrial Pumps: Applications Engineer
Posted 2/25/22

Denver Industrial Pumps, Inc. is a leading pump distributor/representative for Colorado, Wyoming and the Rocky Mountain Region. The company offers innovative pumping solutions & integrated supply services that utilizes our extensive and vast product knowledge in pumps, flow meters, filtration and accessories. Denver Industrial Pumps, Inc. is a stocking distributor with repair and fabrication
capabilities to provide total customer solutions. Denver Industrial Pumps, Inc. is looking for an inside sales professional.

**Job Description**: The application engineer will be responsible for applying the correct pump technology to the appropriate pump application as well as responding to customer inquiries regarding company products and services. The representative will process customer phone orders, check availability of stock, shipping dates, quote pricing, fill orders to customer specifications and process sales data via computer, track stock levels. Additional duties include assisting outside sales staff by preparing price quotes and sourcing product.

**Job Requirements**: Qualified candidates should have excellent communication skills. The representative should be aggressive, able to work independently and have experience performing a majority of the functions. Prior inside sales/customer service experience, data entry skills, organization, multi-tasking and customer focus is required.

**To Apply**: Please send resumé to David Schmitt at davids@denverpumps.com.

**Benefits**: Health Insurance, 401K, Annual bonus based on company profitability-optional
Vacation: First full year: 12 days paid vacation time annually from January 1 to December 31. One day is earned every 30 calendar days. After five years 17 days is earned. After 10 years 22 days is earned.

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**Colorado Department of Transportation: Various internships and full-time positions (civil, mechanical, and/or construction management majors preferred)**

Posted 2/25/22

CDOT is recruiting for two internships for the upcoming construction season and they have two positions for an EIT II or III-Construction and an EPST I-Tester/Inspector. They will be in Confluence Hall room 315 between 4pm-6pm Tuesday, 3/1 to answer any questions. Info on the internships can be found at [https://www.codot.gov/topcontent/employment/cdot-job-openings](https://www.codot.gov/topcontent/employment/cdot-job-openings). CDOT can provide insight with respect to EPST I and EIT II/III positions when they’re on campus on Tuesday, as well.

EIT II or III job posting, closes on 3/3/2022 or until filled:

EPST I job posting, closes on 3/4/2022 or until filled:

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**Goodrich Engineering: Student Worker**
Goodrich Engineering is a consulting company in Grand Junction that is looking for an engineering student to help part-time at developing a computer-database for a library of geotechnical soils reports. The student must be good with a computer, Windows, and popular software including MS Word, Excel, and Access. The company has a couple-thousand reports dating back to the 1950's that need to be cataloged so information in the reports can be easily accessed. Initially, this will be computer work with increasing access to civil/geotech engineering. The student worker will be taken on some field visits ranging from Telluride to Rifle with some oil/gas work in UT and CO. The student will interact with Rex Goodrich and another PE, Ed Morris (Lincoln Devore), and the Lab Tech/Geologist, Peter Herrera. The student worker will become well acquainted with the local geology including the rock and the soil as well as engineering problems we encounter in our environment. They will also learn their way around a soils lab.

Goodrich Engineering does mostly residential soil investigations for foundation recommendations. At the moment, the local/regional building industry is very busy.

If interested, please send cover letter and resume to:

Rex Goodrich PE, PG  
Goodrich Engineering LLC  
rex.goodrich48@gmail.com  
970 250 3358  
www.goodrichengineering.net

Ute Water: Summer Fire Hydrant Interns

Ute Water is recruiting for three (3) summer Fire Hydrant Interns who are highly motivated, organized, and hardworking. Duties will include, but are not limited to, visually inspecting, cleaning, repairing, maintaining, and painting fire hydrants, as well as maintaining daily records. This position requires excellent customer service and communication skills, works outside in all weather conditions, performs heavy physical labor, and operates a motor vehicle and hand tools. Ute Water offers a competitive hourly wage of $17.50 per hour. This is not a benefitted position. This position is eligible for holiday pay and statutory paid sick leave. The schedule will be Monday-Friday from 8:00am-4:30pm but may vary depending on the assignment for 3 months (May-August).

Applicant Must:
- Be at least 18 years of age by the start of employment.
- Be enrolled as a continuing student in a degree program at an accredited college or university.
- Follow specific instructions/directions.
- Possess a valid driver’s license with a clean driving record.
- Pass a background check, drug screen, and physical.

If you or someone you know are interested, please visit http://www.utewater.org/careers to download the employment application. The deadline to submit the application is **Monday, February 28, 2022, at 5:00pm** to Human Resources or hr@utewater.org. For more information, contact 970-242-7491.

**Colorado Science & Engineering Policy Fellowship/Internship**

*Posted 2/21/22*

The Colorado Science and Engineering Fellowship (CSEPF) is designed to give policy making experience to undergraduate and graduate students with backgrounds in science, technology, engineering, and mathematics (STEM). Throughout the summer internship, each fellow will conduct their own policy research project in addition to learning more about STEM policy through seminars and industry site visits. For the past four years, the Fellowship has given talented STEM students policy-making experience and a broadened understanding of the connection between STEM disciplines and lawmaking. The COVID-19 crisis has emphasized the need for individuals who understand fact-based decision making and can take an objective approach to creating effective policy. The Fellowship offers students the opportunity to do so. Over the course of the summer, each fellow will learn about the legislative process, conduct their own research project, and ultimately pitch their own legislation.

While the students are conducting their research, they are also given access to leaders in government and industry. Past speakers include Governor Jared Polis, Former Governor Bill Ritter, Colorado Attorney General Phil Weiser; Congressman Joe Neguse; State Senator Dominick Moreno; House Minority Leader Hugh McKean; Will Toor, former Mayor of Boulder and Executive Director of the Colorado Energy Office; former Colorado Supreme Court Justice Gregory Hobbs; Thad Kurowski, the Senior Policy Advisor for Tesla; and Bryan Leach, CEO of Ibotta, among others. Past years’ site visits included the National Renewable Energy Laboratory, the National Center for Atmospheric Research, the Google Boulder Campus, Lockheed Martin, Arapahoe Basin Ski Resort, and the National Wind Technology Center. While site visits stopped in 2020 because of COVID-19, we are hopeful that they may start up again in 2022.

The upcoming fellowship will take place from June 20th to August 5th, 2022. Applications are open January 18th to March 18th, 2022. Students will be given a $4,000 stipend for the fellowship. We are also working with MSU to provide temporary, fully-furnished housing for the summer, and more information will be provided after the 2022 fellows are chosen. The fellowship is expected to be full-time during the seven weeks, with some flexibility as needed. More information about the program and how to apply can be found in the attached flyer and at: www.COScienceEngineeringPolicyFellowship.com

The organizers are hoping to include 3-4 students from each participating institution.
Rocksol Consulting Group: Various Positions
Posted 2/21/22

Rocksol is currently advertising three roles that they feel align well with both current students and alum: Civil Materials Technician I, Engineer in Training 1, and Engineering Student Intern, with the former two focusing on individuals either graduated or near graduation, and the latter targeting those currently enrolled looking to glean some experience (most often during summers). Job descriptions and requirements can be found at http://www.rocksol.com/careers. There can be some flexibility in role requirements, so if you're interested, reach out to Connor Kounnas, Civil Materials Technician, at Kounnas@rocksol.com, HR Coordinator, Kyra O'Neill, at oneill@rocksol.com, or apply directly online at http://www.rocksol.com/careers.

Consolidated Precision Products: Engineering Intern (City of Industry, CA)
Posted 2/21/22

If you’re looking to get out of the Grand Valley, Consolidated Precision Products (CPP) has openings for Engineering Interns at the City of Industry (COI) site in California. The COI site is an aerospace investment casting foundry. The site manufactures structural castings for applications in commercial and defense aerospace. Interns will be assigned to Product, Process or Quality Engineering and will be assigned a primary project to deliver during the work term. The projects are typically process improvement or cost reduction in nature. The projects are expected to provide interns the opportunity to demonstrate and improve their problem solving, time management, and collaboration skills. More information can be found at https://theapplicantmanager.com/jobs?pos=co3878.

Schauenburg Flexadux Corp: Internship
Posted 10/26/21

Job Description: Schauenburg Flexadux Corp., in Grand Junction, Co, is a manufacturer of flexible and fiberglass ducting for the mining and tunneling industry. We are looking for an Intern to help with updating and reviewing our current process procedures. This will entail data basing, CAD Design, researching, and product testing. This internship is a great way to learn aspects of manufacturing and great addition to your resume. For more info on the company, check out https://schauenburg-us.com/

Responsibilities:

- Data basing
- Creating and updating CAD Models on SolidWorks
- Creating process procedures
• Reviewing and testing current and new products

Requirements:
• Knowledge in MS Office and SolidWorks (or Similar CAD Program)
• Ability to work alone or within a group setting
• Knowledge of airflow and fluids

How to Apply: Email your resume to M.Bruens@schauenburg.us or apply at Handshake.com

GE Explorer Series: Engineering Program (Virtual Internship Program)
Posted 9/17/21

This is an interesting (and free!) virtual program that is self-paced. Throughout the program, you will develop practical skills and insights from General Electric (GE). This program will introduce you to a few areas where engineers thrive at GE. Learn about how to optimize a design to meet customer requirements, how to supply a reliable mix of power to the grid, and how to ramp up production for medical equipment during a surge of demand. These samples are just the beginning for the kinds of solutions you can create as an engineer.

Register for the program here: https://www.theforage.com/virtual-internships/prototype/XxtPu3MdpxgFHzPGn/Engineering-Program#lp

Info on how to document this experience on a resume or LinkedIn profile can be found at https://cdn.theforage.com/vinternships/companyassets/ay2tsYxaTlf7Nt6z7/AA4Bnq2tJHALwE8cg/162575825519/ForageReferencingPolicy.pdf

Eureka! McConnell Science Museum: STEAM Intern
Posted 2/1/22

The EUREKA! McConnell Science Museum is seeking dedicated, customer service-oriented individuals to be Science Technology Engineering Art and Math (STEAM) Interns. Interns will be responsible for engaging and educating children in preschool through 12th grade about STEAM using demonstrations and hands-on activities. STEAM Interns deliver educational content in camp programs, birthday parties, school groups, and outreach demonstrations.

The individuals in these positions will be responsible for developing and co-instructing STEAM lessons, providing inquiry-based feedback to program participants, and managing classroom behavior. The interns will provide oversight to high school students who are enrolled in the Counselor in Training (CIT)
Program. This highly responsible position requires a strong leader who is passionate about science education, has a desire to work with youth, and who can provide meaningful, fun learning experiences to program participants.

MINIMUM QUALIFICATIONS

- Full time college student enrolled in a degree program related to STEAM and / or education
- GPA of 3.0 or higher
- Successful outcomes on a criminal background check

LICENSES, CERTIFICATES OR EQUIPMENT REQUIRED

- CPR, First Aid, AED training required within 90 days of hire

DESIRED QUALIFICATIONS / EXPERIENCE

- Prefer experience working with youth

ADDITIONAL INFORMATION:
To apply, applicants must submit the following via email to the Intern Director, Austin Solko, at asolko@eurekasciencemuseum.org

- Application
- Resume
- Current school transcripts (unofficial is okay)
- Current school schedule