Current Internships for Computer Science and Engineering
Colorado Mesa University

Western Filament: Engineering Internship
Posted 1/29/21

Western Filament is looking for talented aspiring engineers to join our team. Gain more hands-on experience in 6 months than most people do in 6 years. We have an engineering internship opening that offers unique opportunities for professional growth within our company. This internship provides a high level of freedom and embraces creative solutions/out of the box thinking.

This position reports directly to the engineering lead and collaborates with other departments to develop creative solutions to challenges with a focus on continuous improvement. Interns will be responsible for writing proposals, designing, and implementing changes.

The ideal candidate will have a sense of urgency, strong problem-solving skills, and attention to detail. A general understanding of LEAN manufacturing OR a willingness to embrace the philosophy is needed.

Western Filament, Inc is an influential ISO 9001 and AS 9100 manufacturing company in Grand Junction, Colorado. Their focus is to produce high-quality products using synthetic fibers which are targeted for the motor manufacturing, automotive, aerospace, medical, and recreational markets. Nearly 95% of the appliances in operation today use their products and their aerospace products fly around the world and are exploring space. They are also a leading manufacturer of high-performance braided fishing lines.

- Flexible hours, 7 days per week
- Pay is $12.35 to $13 per hour

Email a resume and statement of interest to Becca from HR (becca@wfilament.com) and/or to Garrett in engineering (garrettr@wfilament.com).

Federal Highway Administration – Summer Internship
Posted 1/27/2021

Link for more information and to apply: https://coloradomesa.joinhandshake.com/jobs/4200234

The Summer Transportation Internship Program for Diverse Groups (STIPDG) provides a unique summer opportunity for college/university students to gain valuable professional experience and skills to complement students' academic pursuits.

STIPDG is a paid internship program that aims to mentor and cultivate tomorrow's transportation leaders by providing students with hands-on experience and on-the-job training while working on current transportation-related topics and issues.

**DURATION**
Temporary / Seasonal
JOB FUNCTIONS
Accounting, Administration, Consulting, Customer/Technical Support, Data & Analytics, Engineering - Civil / Mechanical / Other, Engineering - Web / Software, General Management, Information Technology, Research, Other

JOB ROLES
Administrative Services Managers, Computer and Information Systems Managers, Business Analysts and Management Consultants, Accountants (General), IT Analysts and Consultants, Data Analysts, Civil Engineers, Civil Engineering Technologists and Technicians, General and Miscellaneous Information and Record Clerks

FEDERAL HIGHWAY ADMINISTRATION
The Federal Highway Administration (FHWA) is an agency within the U.S. Department of Transportation that supports State and local governments in the design, construction, and maintenance of the Nation’s highway system (Federal-aid highway program) and various federally and tribal-owned lands (Federal Lands Highway Program). Through financial and technical assistance to State and local governments, the Federal Highway Administration is responsible for ensuring that America’s roads and highways continue to be among the safest and most technologically sound in the world.

Innovative Textiles – Engineering Intern
Posted 1/26/2021

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. Applicants should be a junior starting in fall 2021. This position will start in spring 2021 and will report to the Mechanical Design Engineer. Starting pay is $12/hr.

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
• Programming experience (PC language or PLC)
• 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

ProStar Geocorp – Software Quality Assurance (QA) Intern
Posted 12/10/2020

As a Software Quality Assurance Intern, you will work directly with ProStar’s development team. Qualified applicants will perform QA testing on mobile and cloud software while pairing different tools and GPS units to our testing equipment. Applicants should have a basic understanding of unit tests, debugging, and relevant programming languages (PHP, Javascript, Java, Swift). You may also be responsible for improving our current testing procedures and assisting developers with various tasks. Pay is $12-15/hr.

Email a resume to jobs@prostarcorp.com (use the subject line: QA Intern), or apply online at https://www.prostarcorp.com/careers-job-openings/

NASA’s SLSTP Summer Internship Program
Posted 10/30/2020

The primary goal of the Space Life Sciences Training Program (https://www.nasa.gov/ames/research/space-life-sciences-training-program) is to train the next generation of scientists and engineers, enabling NASA to meet future research and development challenges in the space life sciences. SLSTP provides undergraduate students with the opportunity to perform cutting-edge research and discover exciting careers in Space Biology at NASA’s Ames Research Center located in Silicon Valley, California. Due to the pandemic, the 2020 SLSTP was held virtually, and the 2021 program will be held remotely as well. Interns are paired with a
mentor for individual research projects in areas such as molecular, cell, organismal or synthetic biology, bioinformatics or bioengineering. In addition, the cohort of interns designs and executes a group project.

The SLSTP is an equal opportunity program. Admission is by competitive application process. Past student participants were selected for their outstanding merit, passion for space, and desire to study space life science. Applicants must fulfill the following requirements:

- be a US citizen*
- be in high academic standing (GPA of 3.2 or greater)
- have a minimum age of 18
- be a junior or senior undergraduate student next Fall
  -- or --
  a senior graduating in 2021 and entering graduate school Fall 2021.
- have a passion for space and a desire to study space life science

*Citizens of US territories Puerto Rico, Guam, the U.S. Virgin Islands, and Northern Marianas are U.S. citizens. Permanent Resident foreign nationals, Legal Resident Aliens, Work Permit holders, and Illegal Immigrants are not eligible.

The SLSTP Intern Program application deadline is January 4, 2021. The 10-week program begins on June 7, 2021 and ends August 13, 2021. Interns accepted into the program receive a stipend. Financial support is also provided to interns who submit an accepted abstract as first author to the annual meeting of the American Society for Gravitational and Space Research.

Apply now at https://www.slstpapp.com/
During this 10-to-12-week internship, you’ll work under the mentorship of leaders and experts in the field to conduct risk assessments and identify hazards and controls. You’ll also sharpen your analytical, problem-solving, and communication skills through a business-related project.

The Risk Control Internship will expose you to several of business units across Liberty Mutual, including workers compensation, auto liability, general liability, and property lines of coverage.

Best of all, at the end of summer, you may have the opportunity to explore a future career with Liberty Mutual, one of the leading property and casualty insurers in the country.

How to apply:

- To view a full job description and to apply please click [here](#).
- Complete the application on your computer
- Upload a copy of your unofficial transcript along with your resume

Email PJ.Macom@LibertyMutual.com to let me know you’ve completed the application.

Design and Prototyping Internship
Posted 9/21/20

A new start-up company is in the works, and they’re looking for talented people with CAD knowledge. They are looking for a student that has CAD experience (experience outside of class projects) with a very basic understanding of injection molding. They are willing to work with the student if they have no injection molding experience - they would work with an engineer experienced in injection molding. The preference would be to hire someone with Fusion 360 knowledge, but they will consider students with a solid understanding of SOLIDWORKS. Weekly goals would be established to allow the student to work remotely with teleconference meetings, unless it is not possible. They would like to see a portfolio of prior projects to better understand the applicant’s proficiency in CAD.

Send the portfolio, a resume, and a statement of interest to Nick Tinney at nick@ic3eng.us.

Research Assistant – Thermal Processing Chamber
Posted 9/21/20

A professor in the physics department at CMU would like to hire at least one good student (there are two funded projects, so more than one position may be available) with good understanding of heat transfer. The student(s) should also have some decent hands-on skills to help in the design and building of a cooling-rate controlled thermal processing chamber. The project will also eventually involve measurements of fluid properties (viscosity, thermal conductivity, and contact angle measurements) for
samples made in the chamber. The starting rate is $13/hr, and merit increases may be given up to the max of $15/hr. Typical time commitment during semester 5-10 hours per week, more over breaks and summers. There may also be additional opportunities for other students in the summer and next year as well and travel/collaboration opportunities with faculty at Notre Dame, Central Washington, and Colorado Nanofabrication Laboratory.

If interested, send a resume and statement of interest to Dr. Jarrod Schiffbauer at jschiffbauer@coloradomesa.edu.

Anode Systems: Anode Engineering Specialist (1 – 2 positions available)
Posted 6/15/20

REQUIREMENTS / PREFERRED SKILLS / QUALIFICATIONS:
- Interested and knowledgeable about engineering/manufacturing processes
- Understands basic engineering skills and terminology
- Social skills
- Strong verbal and written communication skills
- Strong sales and speaking skills

DUTIES:
- Assist owner in research for microbiology/anti-virus anode
- Provide knowledge and critical thinking skills regarding anti-virus anode

SHIFT: Normal, part-time or full-time position. Depending on the flexibility of student or graduate.

WAGE: Negotiable

LOCATION: Grand Junction, CO

HOW TO APPLY: Email or call owner Hans Schmoldt at hans@anodesystems.com or 970-243-4149 and ask for Hans.

Clemmer Welding, LLC: Shop Laborer/CAD Drafter/CNC Operator
Posted 5/31/20 – still accepting applications

Pay: 14.00 - $18.50 PER HOUR

Job Requirements:
• RELEVANT SHOP EXPERIENCE PREFERRED
• MUST HAVE A VALID DRIVER’S LICENSE
• MUST BE PUNCTUAL AND RELIABLE
MUST ATTEND SAFETY MEETINGS AND BE ABLE TO IDENTIFY SAFETY RISKS AND HAZARDS AS WELL AS COMPLY WITH SAFETY PROCEDURES AND REGULATIONS

Skills:
▪ WORKING KNOWLEDGE OF VARIOUS TYPES OF METAL
▪ WORKING KNOWLEDGE OF AWS, API, ANSI, AND ASME CODES AND STANDARDS
▪ PROFICIENT ENGLISH SPEAKING, READING, AND WRITING SKILLS
▪ BASIC KNOWLEDGE OF WELDING AND FABRICATION
▪ ABLE TO OPERATE AND MAINTAIN VARIOUS TOOLS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO:
  ▪ FORKLIFT
  ▪ POWER TOOLS - HAND TOOLS - BAND SAW – DRILL PRESS – BENDER - MAG DRILL - GRINDER
  ▪ WELDING MACHINERY
▪ ABLE TO WORK IN STANDING POSITION FOR EXTENDED HOURS
▪ ABLE TO WORK ON ELEVATED SURFACES
▪ ABLE TO TRAVEL TO MOBILE JOBSITES
▪ ABLE TO LOAD AND UNLOAD MATERIALS - WORK REQUIRES ABILITY TO LIFT A MINIMUM OF 50 LBS.
▪ ABILITY TO READ DRAWINGS/PLANS/SCHEMATICS/ASSEMBLY INSTRUCTIONS
▪ CUT, PREP, AND FIT-UP MATERIALS - INCLUDING MARKING CUT LINES, ENSURING THAT ALL PARTS ARE PROPERLY FITTED/ALIGNED/ AND PREPPED FOR WELDING
▪ MAINTAIN A PRODUCTIONS SCHEDULE
▪ MAINTAIN A CLEAN WORKING ENVIRONMENT
▪ ENSURE THAT QUALITY CONTROL STANDARDS ARE MET INCLUDING BUT NOT LIMITED TO: VERIFYING MATERIALS, VERIFYING DIMENSIONS AND SPECIFICATIONS, CHECKING WELDS, STRUCTURES, AND COMPONENTS FOR COMPLETION TO STANDARDS SPECIFIED, VERIFYING ACCURATE PART COUNT, CREATING BILL OF LADINGS, ETC.
▪ ABLE TO SET-UP, MANAGE, CLEAN, CHECK, AND MAINTAIN CNC MACHINERY ON A DAILY BASIS TO GUARANTEE FUNCTIONALITY
▪ PROFICIENT KNOWLEDGE OF CAD DRAFTING SOFTWARE (SOLIDWORKS, ENROUTE, ETC.) AND ABILITY TO TRANSLATE ENGINEERING DRAWINGS AND REQUIREMENTS INTO DIMENSIONS FOR PRODUCTION
▪ RECORD ALL MACHINE ACTIONS BY COMPLETING PRODUCTION AND QUALITY LOGS
▪ ENSURE THAT RESULTS OF CNC PROCESSES ALIGN WITH CLIENT EXPECTATIONS
▪ OVERSEE THE CNC MACHINERY WHILE IT EXECUTES TASKS AND MAKE NECESSARY CHANGES TO PRODUCE IMPROVED RESULTS

Contact Kimberly Clemmer by email (clemmerwelding@hotmail.com) or stop by the shop with a resumé or to fill out an application.

Clemmer Welding, LLC
714 Arrowest Court, Grand Junction, CO 81505
970.628.4282  Office
970.260.0035  Tyler Clemmer (cell)
970.261.8933  Kimberly Clemmer (cell)
clemmerwelding@hotmail.com
www.clemmerwelding.com
Clemmer Welding, LLC: Shop Laborer/Welder’s Helper
Posted 5/31/20 – still accepting applications

Pay: $12.00 - $15.00 PER/HOUR

Job Requirements:
▪ RELEVANT SHOP EXPERIENCE PREFERRED
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Contact Kimberly Clemmer by email (clemmerwelding@hotmail.com) or stop by the shop with a resumé or to fill out an application.

Clemmer Welding, LLC
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970.628.4282  Office
970.260.0035  Tyler Clemmer (cell)
970.261.8933  Kimberly Clemmer (cell)
clemmerwelding@hotmail.com
www.clemmerwelding.com
CELEBRATING 25 YEARS IN BUSINESS - FAMILY OWNED & OPERATED

• THIS IS A DRUG FREE – SMOKE FREE FACILITY
• AS A MINIMUM, LONG SLEEVE SHIRTS, SAFETY GLASSES, AND STEEL-TOED BOOTS SHALL BE WORN/USED ON ALL WORK SITES
• EMPLOYEES ARE RESPONSIBLE FOR PROVIDING THEIR OWN PPE UNLESS ALTERNATE ARRANGEMENTS HAVE BEEN MADE

JGMS: Summer Intern – position filled

Eureka! McConnell Science Museum: STEAM Intern
Posted 2/4/20 – Positions are still available!

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