Current Internships for Computer Science and Engineering
Colorado Mesa University

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/

Liberty Mutual Risk Control Services Department: Summer Internship
Posted 10/1/20
Liberty Mutual Risk Control Services department is seeking construction engineering, construction management, or civil engineering majors for a summer internship. Their risk control consultants provide a valuable service to their commercial clients, including contractors and construction companies in mitigating losses such as equipment failure, fleet accidents, and injuries on the job.

Risk Control
We are beyond proud to be one of the largest private safety organizations in the United States—thanks in part to Liberty Mutual’s team of risk control professionals.

If you have a knack for solving problems and seek a rewarding opportunity with a global Fortune 100 company, join us in helping our mission of helping people live safer, more secure lives.

The Internship Details:
This summer, seize the opportunity to leverage your acumen of construction and construction engineering, business, safety, fire protection, and/or math as a Risk Control Consultant Intern.

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.

Western Filament: Engineering Internship
Posted 9/24/20

Western Filament is looking to add two (2) interns to their team. They have quite a few projects in the works and would like your help on them! Western Filament, Inc is an influential ISO 9001 and AS 9100 manufacturing company in Grand Junction, Colorado. Our 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 our products and our
aerospace products fly around the world and are exploring space. We are also a leading manufacturer of high-performance braided fishing lines.

**Engineering Intern Requirements:**

- Critical thinker
- Ability to gather and analyze data
- Ability to research processes and new equipment
- Ability to problem solve and develop solutions to resolve mechanical issues
- Ability to spend hours at a time walking or standing on concrete floors
- Ability to work amidst noisy, sometimes dangerous equipment
- Hands on / not afraid to get their hands dirty
- Junior/senior standing is preferred, but all applicants will be considered

20+ hours per week Monday-Friday

Pay is $12 to $13 per hour

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

**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
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
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
▪ 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

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▪ 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
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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
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