



Student Scholarship Internship Opportunity (SSIO) Online System

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SSIO 2022 Internship Opportunity Position

Internship Information

Project title: Data Scientist - Data Use Metrics

NOAA mission goal: Science and Technology Enterprise

Hypothesis or objectives: DSD/DAB - Data Scientist Support

With many real-time/operational data feeds coming from NOAA Line Offices to NCEI, it is increasingly important to be able to define metrics which can be used to monitor impacts to US commerce. Students can apply data analytics and informatics skills to provide important information toward improving NCEI mission goals. Projects focused on any of the following data streams (Radar, Models, Station, Satellites) would be of particular interest. Candidate would Work across all NCEI divisions to merge access logs and Salesforce information to inform and prioritize support, improve feedback, and describe user and commerce impacts. A particularly unique opportunity.

Academic status: Graduate

Estimated start - end date: May 2022 - August 2022

Duration: 3 months

Area(s) of discipline: Computer And Information Sciences

Internship location: Asheville, NC

Duties and responsibilities:

- 1) Identify high-value data streams for analysis.
- 2) Merge access logs and Salesforce information
- 2) Document and design metrics which can be easily measured and regularly monitored
- 3) Provide an implementation plan for these metrics
- 4) Work with staff to prototype the implementation plan

Special skills/training required: Demonstrated competency in computer and information sciences.
Understanding of project management processes
Understanding of statistical analysis.
Basic understanding of data science and informatics

Expected outcomes: Student will gain competency in data management and data stewardship.
Student will gain project management skills.
Student will understand Agile software development methodology.
Student will improve understanding of data science and informatics.

Guidance and supervision: Overall project guidance will be from the project sponsor. Weekly reporting is expected to keep the student on track. Technical leads will be involved with scoping the effort on a daily basis.

Application package: Letter of recommendation/or names of references
Resume

Unofficial transcript
Cover letter

Posted or modified date/time: Friday, October 1, 2021 - 11:17:00 AM

Internship Travel Information

Purpose (student's role): No travel will be required

Mode of transportation: Na

Date(s): na

Destination: na

Estimated cost: na

Source of funding: na

Mentors Contact Information

Name: Rich Baldwin

Organization: National Environmental Satellite,
Data, and Information Service
(NESDIS)

Program office: NCEI

Mailing address: 151 Patton Ave
Asheville, NC 28801

Fax number: None

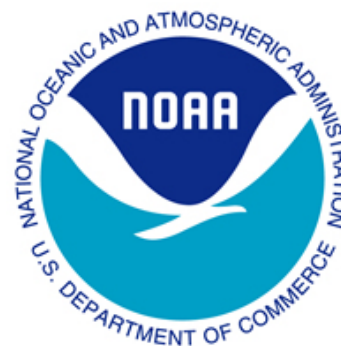
Phone number: 828-271-4094

Email: rich.baldwin@noaa.gov

Co-Mentor name: Rich Baldwin

Co-Mentor email: rich.baldwin@noaa.gov

Agency or organization: NOAA/NCEI



Admin Action

Submitted internship: **Approve**
 Disapprove

Additional comment(s):
(300 characters max)

Accepted for a minimum 3-month EPP NERTO internship. Requires: a workplan developed by CSC and NOAA mentor; substantial engagement with NOAA mentor; and, NOAA-aligned professional development. Queries are sent to: oed.epp10@noaa.gov.

Admin Initials (required):

Admin Approval Information

Comments: Can this internship project be conducted virtually if it is required to be virtual due to pandemic restrictions? If so, please edit description to include this language.

Initials: VD

Approval date/time: 10/1/2021 9:54:06 AM

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OMB Control #0648-0568 Expires: 02-28-2023