Job Title: Computer Science Summer Internship

Location: Portland, OR

Position Type/Hours: Temporary, fixed-duration (Summer 2020 approximately June-August); 32 hrs/week (flexible)

Department(s): Science and Analytics

Overview: The Freshwater Trust, a non-profit leader in stream and river restoration, is seeking a Computer Science intern who is interested in our organization’s mission to fix and restore freshwater ecosystems. The intern will assist The Freshwater Trust’s Science and Analytics staff with data engineering and the development of new tools and data pipelines. The work will be conducted in the Portland, OR office.

Skills and Qualifications:
- A college junior or senior student working towards an undergraduate degree in computer science.
- Ability to create and deploy a simple web-based user interface for database management
- Familiarity with SQL ETL and relational database design principles
- Experience with Apache 2/Ubuntu server environment
- Proficiency with Python and/or JavaScript
- Ability to work independently.

Potential Projects:
- Set up an internal Apache server on an existing Ubuntu VM, so that a user interface for data maintenance can be built on the current VPN.
- Design and implement web forms to allow internal users to edit, insert and update client contact information. (PHP, JavaScript etc.)
- Evaluate algorithm and data pipeline performance and identify opportunities for improved efficiency via multi-threading, parallel processing, containers, and/or VMs.
- Build a full stack web application using Node.js, React.js, and Mapbox

Compensation:
- $13 per hour (1099 tax status)

Application Instructions:
- Supply the following documents as PDF documents not to exceed 5MB:
  - Cover Letter and Resume
- Submit required information and documentation to: https://app.smartsheet.com/b/form/315b9c2929834d519cc3a90b9853facb

The Freshwater Trust is an equal opportunity employer and does not discriminate in its selection of candidates for employment on the basis of race, color, national origin, religion, sex or sexual orientation, marital status, disability, age, military service, family medical history, legal source of income, gender identity, political affiliation, or family leave obligations. Women, minorities, and people with disabilities are encouraged to apply. ADA accommodations will be provided upon request.