KELLEY FRASER

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CAREER OBJECTIVE

Detail-oriented and self-motivated frontend web developer with a natural ability for problem solving and organization seeking an entry-level web developer position. With 6+ years of formal training and work experience in the natural sciences I have developed excellent communication, technical writing, presentation, project management and time-management skills. In addition to two computer science courses during my university education I have spent the past 2 years training in frontend web development utilizing online resources. I am currently rounding out my education with a coding bootcamp concluding in February 2023. I am proficient in a variety of programming languages (listed below) mostly utilizing React.js to develop front end web applications.

EDUCATION & CERTIFICATIONS

Web Development Bootcamp (Currently enrolled) - HyperionDev   **2022 - 2023**

Master of Science: Geology - University of Calgary   **2018 - 2020**

Bachelor of Science: Quantitative Geology - Appalachian State University   **2014 - 2018**

TECH STACK

- **Programming Languages:** JavaScript, HTML, CSS, SQL, Python, Java, C, MATLAB
- **Frameworks & Libraries:** React.js, Node.js, Sass, Bootstrap, Express, Mongoose
- **Tools & Platforms:** Git, mySQL, mongoDB, github
- **Other:** Data structures and algorithms, object oriented programming

PROJECTS

Typing Speed Test - JavaScript(*React.js*)
Typing speed game with 15 stored randomly generated paragraphs for users to type out with real-time input validation and a built in timer. After the timer runs out the users WPM and accuracy scores are displayed. Users can restart a typing game at any time and can switch paragraphs using the refresh icon in the top-right corner.

Weight Converter - JavaScript(*React.js*)
Application that allows users to input a value and starting weight unit and the value will be converted to all other weight units and displayed. This application utilizes custom components.

To-do List - JavaScript(*React.js*)
To do list app utilizing custom hooks for adding, marking done, and deleting items from the list. Users can delete their entire to-do list using the refresh icon in the top-right corner.

WORK HISTORY

Teaching Assistant   09/2018 - 12/2020
Department of Geoscience, University of Calgary
- Develop weekly laboratory assignments relevant to topics discussed during lecture.
- Teach 3-hour weekly labs to groups of ~20 students.
- Be available one hour a week for additional one-on-one tutoring.

Lab Technician   10/2019 - 11/2020
Geo- and Thermochronology Lab, University of Calgary
- Separate minerals from whole rock samples using standard crushing, density, and magnetic procedure.
- Work directly with clients to determine the best single grains to select for dating based on their project goals.
- Hand select apatite and zircon grains for (U-Th)/He radiometric dating.
- Operate an Alphachron helium extraction line to measure (U-Th)/He ages in minerals.
- Train and supervise students to use the mineral separation laboratory.

Research Assistant   01/2015 - 07/2018
Department of Geological and Environmental Sciences, Appalachian State University
- Order lab supplies and maintain a working lab setting for several students and faculty.
- Separate zircon and muscovite from samples by use of sieves, Frantz magnetic separator and heavy liquids
- Prepare zircon samples for fission track dating.
- Perform fission-track dating in zircons using Autoscan Microscope and Scanning Electron Microscope.
- Present findings at national and regional annual meetings, as well as compile data and conclusions in an undergraduate senior thesis.

Museum Assistant & Tutor   08/2016 - 12/2017
McKinney Teaching Museum, Appalachian State University
- Attend open tutoring sessions three hours per week to answer questions and help students understand and study for all introductory level geology courses.
- Assist with K-12 school groups by teaching students about geology in the attempt to excite the next generation of students about science and math.
- Assist with creating age appropriate geology or environmental science related activities for K-12 outreach events.

ADDITIONAL SKILLS

- Attention to detail
- Data analysis and modelling
- Verbal communication
- Technical writing

- Organization
- Team player
- Project management
- Client relations

- Problem solving
- Self motivation
- Tech: Microsoft Office, Zoom, Google suite

REFERENCES

Available upon request.