

Trace DeLange

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ABOUT

Adaptable and highly motivated graduate from the University of Oregon majored in Biological Sciences. Adept at thinking outside of the box and capable of functioning in rapidly changing conditions as an effective problem solver and team player. First-hand experience from industry practice in both laboratory and software settings provides a dynamic and robust set of technical skills ranging from designing collaborative data-driven projects to serving as a member of a highly effective team of laboratory staff.

CORE COMPETENCIES

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| • Python, JavaScript, Ruby | • Full-Stack Development | • Effective Verbal and Digital Communication |
| • React, Rails, Flask | • Test-Driven Development Practices | • Strong Organizational Skills |
| • Database Management (Postgres, Firebase, MySQL) | • Cloud hosting solutions (Heroku, AWS, Firebase, GH Pages) | • Scientific Literacy |
| • Cloud hosting solutions (Heroku, AWS, Firebase, GH Pages) | | • Attention to Detail |

EDUCATION

University of Oregon

Bachelor of Science, Biology: Awarded March 21st, 2020

Sep. 2016 - Mar. 2020 - Eugene, OR

- Comprehensive education in scientific data management with both MATLAB and Python frameworks (Pandas, Numpy, Matplotlib, etc.).
- Upper division microbiological labs with emphasis on tabletop assays including PCR, Electrophoresis, Biochemical Assays, Mutagenesis, Chromatography, Inoculation, and culture transfers.

Flatiron School

Software Engineering Student

6/2021 – Anticipated Graduation 10/2021

- Extensive software engineering coursework with an emphasis of software in the context of modern web infrastructure.
- Coursework includes developing full-stack applications using in-demand frameworks such as React, Rails and Flask as well as 1500+ hours of hands-on experience building web-based applications and mastering OOP, RESTful and DRY practices.
- Develop collaborative projects with classmates using industry standard communication and version control tools such as Git, Trello and Slack.

INDUSTRY EXPERIENCE

American Preclinical Services

8/2020 – 6/2021

Pathology Technician

- Support and perform necropsy procedures, including complete necropsies and perfusion procedures.
- Assist and perform routine gross examination as required by GLP standards and perform accurate record keeping.
- Collect, organize and archive GLP regulated proprietary medical device data on both physical and digital mediums.
- Assist in the coordination of study tasks from pre-initiation to study completion.
- Perform photography and high-resolution x-ray imaging/ film development.
- Maintain proficiency in all appropriate designated departmental SOPs with knowledge of lab processes.
- Maintain a clean, GLP compliant lab while ensuring all logbooks are reviewed and correct, as well as maintenance of laboratory equipment per applicable SOPs.

Freelance Developer

1/2020 – Present

- [Impromptu](#)
 - Created a fully functional admin portal with CRUD capabilities as a contracted consultant.
- [Waconia Brewing Company](#)
 - Developed backend infrastructure to autonomously process sales reports from three unique distribution sources into a firebase server.
 - Developed a customer-facing front-end tool which displays geolocation information about where to locate products based on recent sales reports, serving 1000+ users per month on average.
- [Clean Planet Project](#)
 - Developed backend python scripts to aggregate database statistics.
 - Created API's to serve database statistics to mobile app and organization website.