

RYAN S. LAIRD

I'm searching for the intersection of clinical research, genomics, and public health.... Currently a post-bachelor fellow

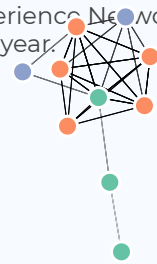
PROFESSIONAL EXPERIENCE

- current
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2018
- **Post-Bachelor Fellow**
National Human Genome Research Institute 📍 Bethesda, MD
 - Designed REDCap database to document phenotype of newly discovered disease.
 - Intake and process adult referrals to our study
 - Tracked COVID-19 incidence in autoinflammatory cohort
- 2018
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2017
- **Fuel Your Future Associate, AmeriCorps**
United Way of King County 📍 Seattle, WA
 - Piloted 'Breakfast After the Bell' program following No Kid Hungry guidelines, which resulted in new state legislature affecting over 400 schools in Washington by 2020
 - Distributed free meals to anyone under 18 through the Child and Adult Care Food Program with a 25% increase of meals served on last year.
- 2017
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2017
- **Emergency Medical Technician**
Olympic Ambulance; American Medical Response 📍 King County, WA
 - Provided medical care and comfort to patients in a fast-paced environment.
 - Developed professional communication and rapport with patients, fire departments, law enforcement, and hospital staff.
 - Maintained HIPAA compliance and documented patient consent for treatment/transport.

EDUCATION

- 2020
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2020
- **Data Science CoLab**
Department of Health and Human Services 📍 Washington D.C.
 - Highly competitive 8-week series on data analysis, natural language processing, and machine learning with associated capstone project.
 - Utilized existing NLP tools to extract clinical data from EHRs, in order to cluster undifferentiated patients by phenotypic similarity.
- 2019
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2019
- **Foundation for Advanced Education in the Sciences**
Select Graduate Courses 📍 Bethesda, MD
 - Experimental Statistics with R
 - Introduction to Python for Bioinformatics

Experience Network, by category and year.

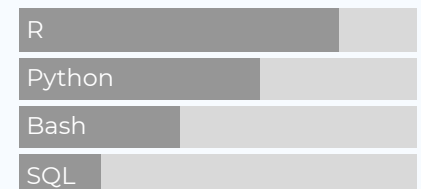


View this CV online with links at nickstrayer.me/datadrivencv/

CONTACT

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📞 (717)-330-4658
🐙 [GitHub](#)
[ORCID](#)

LANGUAGE SKILLS



Made with R packages [pagedown](#) and [datadrivencv](#).

The source code is available on [GitHub](#).

Last updated on 2021-02-12.

- 2016
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2016

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EMT-Basic Certification
 Tacoma Community College

📍 Tacoma, WA

 - Met training requirements for Emergency Medical Technician employment in Washington State.

2016
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2012

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B.S. Molecular Biology
 Messiah University

📍 Mechanicsburg, PA

 - Graduated *cum laude*



PUBLICATIONS, TALKS, AND POSTERS

- 2021

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Somatic Mutations in UBA1 Define a Distinct Subset of Patients with Relapsing Polychondritis
 Under-Review

• Authored with Marcela A. Ferrada, M.D., Keith A. Sikora, M.D., Yiming Luo, M.D., Kristina V. Wells, B.Sc., Bhavisha Patel, M.D.

2020

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Somatic Mutations in UBA1 and Severe Adult-Onset Autoinflammatory Disease¹
 New England Journal of Medicine

• Authored with David B. Beck, M.D., Ph.D., Marcela A. Ferrada, M.D., Keith A. Sikora, M.D., Amanda K. Ombrello, M.D., Jason C. Collins, Ph.D, et al.

2020

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Using Unsupervised Machine Learning to Find Clinical Patterns of Autoinflammatory Disease
 Invited speaker, HHS Data Science CoLab Symposium

2020

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Discovering Novel Patterns of Autoinflammation via Phenotype-First Unsupervised Machine Learning
 NIH Post-bac Poster Day

2019

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TNF Inhibitor Treatment and Dramatic Stroke Risk Reduction in Patients with Deficiency of Adenosine Deaminase 2²
 Oral Presentation, American College of Rheumatology Conference



LINKS

- 1: <https://www.nejm.org/doi/full/10.1056/NEJMoa2026834>
- 2: <https://acrabstracts.org/abstract/tnf-inhibitor-treatment-and-dramatic-stroke-risk-reduction-in-patients-with-deficiency-of-adenosine-deaminase-2/>