Lukas Naehrig

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**EDUCATION**

**University of Washington** *September 2018 – June 2022*

*Studying Statistics and Data Science, 3.72 Cumulative GPA*

* Minors in Climate Science, Mathematics, and Computer Science
* Member of the Academic Dean’s List in 4 consecutive quarters
* Acquired experience with many programming languages
* Gained a strong foundation in mathematical/statistical theory and analysis, as well as environmental/climate science

**Tesla STEM High School** *September 2014 - June 2018*

4.0 Cumulative GPA, nationally ranked public High School

**WORK EXPERIENCE**

**National Oceanic and Atmospheric Administration (NOAA)***Summer 2020*

* Analyzed and visualized geographical satellite data by implementing classification machine learning models such as random forests, neural networks, and support vector machines in R, Mentor: Morgan Bond
* The classification project was designed to classify salmon habitat which will be used in dam removal projects and salmon population prognostics
* Mentor: Martin Liermann
* Varasani Fellowship Award

**Seattle Sounders FC Soccer Camp**  *Summer 2019*

* Coached 5- to 9-year-old children in week-long soccer camps
* Gained experience in teaching children of various cultural backgrounds

**Child Development Soccer Coach** *June 2016 – September 2018*

* Coached 18-month to 12-year-old children in soccer classes
* Provided a fun and interactive learning environment for children and families

**RESEARCH**

**Atmospheric Data Analytics Research Position** *January 2020 – present*

* Working with Dargan Frierson, PhD in a small research group
* Analyzing CMIP6 Climate Models to understand global average precipitation
* Responsible for data management, visualization, python coding
* Presented at UW Research Symposium and Atmospheric Research Symposium
* Our goal is to write a research paper which will be submitted to the next IPCC report

**COMMUNITY**

**Statistics and Probability Association (SPA)** *September 2018 - present*

* Learning about various topics in Statistics/Data Science in a social environment
* Treasurer of SPA

**German Culture Club (GCC)** *September 2020 – present*

* Created GCC to teach and learn about the German language and culture
* President of GCC

**Volunteer Soccer Coach** *September 2015 – June 2018*

* Coached a U8-U9 indoor soccer team for 2 years
* Coached a U14-U16 soccer team for 3 years

**‘Schools Under 2C’ Outreach Coordinator** *November 2016 – June 2018*

* Outreached to other schools for a campaign to reduce CO2 emissions
* Won the Presidential Environmental Youth Award with the program in 2017

**‘Link Crew’ Leadership** June 2016 – June 2018

* Class member of leadership program for 2 consecutive school years
* Guided incoming freshmen in their transition to High School

**SKILLS**

**Personal**

* Fluency in German, Punctuality, Motivation, Leadership, Problem-solving, Guitar Player, Seattle Sounders FC Supporter

**Computer Programming**

* R, SQL, Java, Python, Excel, Tableau
* R specific: Machine learning, data visualization (dplyr, ggplot2)
* Relational database design

**Other Coursework**

* Linear Analysis, Real Analysis, Advanced Calculus, Theoretical Statistics
* Environmental Science/Ethics, Climate Science, Oceanography, Atmospheric Science, Geology/Glaciology

**OTHER**

* 2020 Varasani Fellow
* An article published about me and my research:

http://www.dailyuw.com/science/article\_200eb1c0-61b7-11ea-a480-d3b889ae454a.html