

# STEFANO FOCHE SATTO

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## Profile

I'm an enthusiastic problem-solver ready to launch my scientific career. My B.S. in Mathematics has fueled my passion for graph theory, applied mathematics, data science, and statistics. I'm seeking experiences that will expand my programming knowledge and work to address today's pressing problems in climate change and natural resource management.

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## Skills

**Programming Languages:** Matlab, Python, R, MySQL, LaTeX

**Programming Tools:** Jupyter Notebook, Git, Google Cloud Platform, AWS, Microsoft Azure, VS Code

**Languages:** Spanish

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## Education

### University of Alaska Fairbanks

*Bachelor of Science, Major in Mathematics, Minor in Statistics*

United States

August 2017 – Dec 2021

### Relevant Coursework:

- Direct Study: Machine Learning in the Cloud
- Numerical Linear Algebra | Numerical Analysis
- Regression & ANOVA | Scientific Sampling

### Awards:

*Alaska Performance Scholarship*

2017 – 2021

*Semper Fidelis Award for Musical Excellence*

2016 – 2017

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## Experience

### Direct Study

August 2021 – December 2021

*University of Alaska Institute of Arctic Biology*

*Fairbanks, Alaska*

- Assisted with the development of an undergraduate level Machine Learning course at UAF.
- Completed several Machine Learning projects, and model lab reports for future reference. Projects where primarily focused on Random Forest and Gradient Boosting models.
- Worked closely with Dr. Huettmann to create a ML model to produce a Relative Index of Occurrence (RIO) map for the Icelandic Rock Ptarmigan Species.

### Mathematics Tutor

October 2020 – August 2021

*University of Alaska Fairbanks Athletics Department*

*Fairbanks, Alaska*

- Tutored several student athletes in various mathematical topics like the calculus sequence and statistics.
- Organized and lead large study sessions.
- Created individualized lesson plans tailored to the needs of each student.
- Achieved higher test grades in students and increased mastery of mathematical concepts.

### Summer Intern

May 2019 – March 2020

*Department of Fish and Game*

*Fairbanks, Alaska*

- Oversaw the maintenance and repairs of several vehicles and equipment
- Completes several landscaping and painting project with minimal supervision.

### Cross-Age Tutor

May 2017 – September 2020

*The Literacy Council*

*Fairbanks, Alaska*

- Taught basic mathematics and literacy skills to elementary school children, grades K-3.
- Organized fun activities and worked with a team of tutors to keep students engaged in learning.

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## Community Involvement

**Fairbanks Jazz Workshop**  
*Co-Founder and Lead Musician*

**Fairbanks Community Jazz Band**  
*First Chair Saxophonist*

**First A.M.E. Church**  
*Lead Musician*

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## References

**Prof. Jill Faudree**  
*University of Alaska Dept. Mathematics*

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**Prof. Falk Huettmann**  
*University of Alaska Institute of Arctic Biology*

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**Kerry Saveriede**  
*Alaska Dept. of Fish and Game*

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