

# Rayne Aurit | Resume

## Resume

Status: Student at the University of Nebraska-Lincoln  
Field: Statistics and Data Analytics, Computer Science  
Techs: R, SAS, Python, Java, C, C#

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## Summary

## Experience

Design Studio Associate - University of Nebraska-Lincoln

Aug. 2025 - Present

- \* Developing an agentic AI framework to assist with manual processing and administrative tasks utilizing computer vision for corporate sponsor
- \* Communicating with sponsors, stakeholders, and academic leads to establish clear goals and objectives to execute a defined vision statement

AI in STEM Education Intern - Nebraska Extension, 4-H

May 2025 - Present

- \* Teaching members of the youth ages 8-18 in the focus areas of science, technology, engineering, and math
- \* Creating learning modules to assist in learning in statistics, data science, artificial intelligence, and computer science
- \* Utilizing CodePen to create youth-friendly UI illustrating written lesson plans

Post Doctoral Researcher - ETH Zurich

Nov. 2017 - Aug. 2018

- \* Developing new methods to analyze social networks
- \* Implementing methods in libraries
- \* Gathering and analyzing large datasets from Social Media APIs

Post Doctoral Researcher - University of Konstanz

Oct. 2015 - Oct. 2017

- \* Developing new methods to analyze social networks
- \* Implementing methods in libraries
- \* Webscraping and harmonizing a large corpus of football data

Ph.D. Candidate - University of Konstanz

Nov. 2012 - Sep. 2015

- \* Developing new methods to analyze social networks
- \* Implementing methods in libraries

## Education

Ph.D. in Computer Science - Konstanz, Germany

Nov. 2012 - Sep. 2015

- \* Thesis: A Positional Approach for Network Centrality
- \* Developed and implemented new methods to assess network centrality

Diploma in Business Mathematics - Karlsruhe, Germany

Sep. 2006 - Jul. 2012

- \* Thesis: Modularity Maximization
- \* Implementation and comparison of different clustering algorithms using Matlab