

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