

WILL DETER

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EDUCATION

MS Binghamton University, Systems Science (Anticipated) May 2023

Thesis: Necessary Heterogeneity in Network Models of Segregation
Advisor: Hiroki Sayama

Advanced Graduate Certificate December 2022
Binghamton University, Complex Systems Science and Engineering

BS Western Carolina University, Emergency and Disaster Management May 2020
Graduated Summa Cum Laude

PROFESSIONAL EXPERIENCE

YMCA of Western North Carolina 2013 - Present

Senior Director of Operations – Compliance 2019 - Present

- Developed policies, procedures, and custom management information systems to efficiently maintain compliance with local, state, and federal regulatory requirements.
- Implemented computational models of relevant systems to inform organizational strategy.
- Supported the Association Director of Facilities and Risk Management with systems development, compliance management, and issue resolution associated with youth safety.
- Contributed substantially to state-level regulatory and legislative advocacy efforts in the licensed childcare space.
- Supported the success of 34 licensed or otherwise grant-funded childcare facilities serving more than 1000 youth with budget responsibility exceeding \$1m
- Supervised Child and Adult Care Food Program (CACFP) implementation as a sponsoring organization of 31 affiliated centers with budget responsibility exceeding \$500k

K-12 Director of Operations - Licensing and Compliance 2017 - 2019

- Supported the success of 34 licensed or otherwise grant-funded childcare facilities serving more than 1000 youth.
- Developed policies, procedures, and custom management information systems to efficiently maintain compliance with local, state, and federal regulatory requirements.

- Implemented a revised training program to improve program quality and adapt to new regulations.
- Provided technical expertise to ensure superior School-Age Care Environment Rating Scales assessment results.
- Sustained the YMCA of WNC's positive, working relationship with the Division of Child Development and Early Education.
- Fostered Civic Engagement as an adviser for the Youth and Government Program.
- Supervised Personnel and Operations for a YMCA Summer Day Camp program serving approximately 90 youth.

Director of Operations – Licensing

2016 - 2017

- Supported the success of 16 licensed childcare facilities serving over 800 youth.
- Developed policies, procedures, and custom management information systems to efficiently maintain compliance with local, state, and federal regulatory requirements.
- Implemented a revised training program to improve program quality and adapt to new regulations.
- Provided technical expertise to ensure superior School-Age Care Environment Rating Scales assessment results.
- Sustained the YMCA of WNC's positive, working relationship with the Division of Child Development and Early Education's representatives and the NC Child Care Commission.
- Supervised Personnel and Operations for a YMCA Summer Day Camp program serving approximately 90 youth.

Youth Development Manager – Licensing

2015 - 2016

- Supported the success of 16 licensed childcare facilities serving over 700 youth.
- Provided technical expertise to ensure superior School-Age Care Environment Rating Scales assessment results.
- Sustained the YMCA of WNC's positive, working relationship with the Division of Child Development and Early Education's representatives.
- Supervised Personnel and Operations for a YMCA Summer Day Camp program serving approximately 90 youth.

Youth Development Site Director YMCA Hominy Valley Afterschool

2014 - 2015

- Managed daily operations and two staff serving 50 afterschool participants.
- Achieved program growth through dedication to program quality and the Y's core values.
- Maintained site-level compliance with local, state, and federal regulations.
- Sustained the program's partnership with Hominy Valley Elementary School.

Youth Development Mentor

2013 - 2014

- Provided out-of-school-time care and enrichment for a group of ~15 school-age children.

RESEARCH EXPERIENCE

Thesis, Binghamton University

2022 - Present

Advisor: Hiroki Sayama

- Extended computational models of residential segregation to investigate the effect of multiple dimensions of heterogeneity in model specification
- Articulated novel dynamical processes which may aid understanding of contributors to residential segregation

PROFESSIONAL TRAINING

Emergency Preparedness and Response in Childcare Trainer

NC Child Care Health and Safety Resource Center, November 2021

Description: Authorized to provide training and technical assistance to childcare facilities related to emergency preparedness and response per 10A NCAC 09.

Disciplined Agile Scrum Master, Project Management Institute, January 2021

Description: Include a brief description, if necessary.

PROFESSIONAL AFFILIATIONS

Project Management Institute, 2022 - Present

Member

Society of Corporate Compliance & Ethics, 2020 - 2021

Member

LANGUAGES

English: Native Language

Spanish: Novice Listener/Speaker

COMPUTER SKILLS

Programming: Python, Mathematica, Java, NetLogo, Vensim, SQL, LaTeX

Applications: MS Office, MS SharePoint/Teams/Power Automate/PowerApps, ArcGIS

REFERENCES

Dr. Hiroki Sayama (advisor)

Director, Center for Collective Dynamics of Complex Systems

Professor, Department of Systems Science and Industrial Engineering

Director, Graduate Program in Systems Science

Director, Advanced Graduate Certificate Program in Complex Systems Science and Engineering

Thomas J. Watson College of Engineering and Applied Science

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Melissa Wiedeman, Vice President of Operations (supervisor)

Youth Services

YMCA of WNC

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Bryan Messing, Association Director of Risk Management and Facilities

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