

# WILL DETER

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## EDUCATION

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**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

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**YMCA of Western North Carolina** 2013 - Present

Nearly 10 years of progressively responsible experience in risk and compliance management roles. Added value through implementation of custom management information systems and computational modeling of operations and services.

**Senior Director of Operations – Compliance** 2019 – Present

- Implemented computational models of relevant systems to inform organizational strategies for compliance and business development.
- Supported the Association Director of Facilities and Risk Management with systems development, compliance management, and issue resolution associated with youth safety and compliance.
- Contributed substantially to state-level regulatory and legislative advocacy efforts in the licensed childcare space.
- 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.
- Created custom, automated management information systems to efficiently monitor and maintain compliance with regulatory requirements.
- Fostered Civic Engagement as an adviser for the Youth and Government Program.

**Director of Operations – Licensing**

2016 - 2017

- Developed and revised policies and procedures to maintain compliance with local, state, and federal regulatory requirements.
- Created custom management information systems to enable
- Implemented a revised training program to improve program quality and adapt to new regulations.

**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**

2014 - 2015

YMCA Hominy Valley Afterschool

- 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**

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**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 & CERTIFICATIONS**

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**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

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Project Management Institute, 2022 - Present  
Member

Society of Corporate Compliance & Ethics, 2020 - 2021  
Member

## LANGUAGES

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**English:** Native Language

**Spanish:** Novice Listener/Speaker

## COMPUTER SKILLS

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

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