

# NATALEE DESOTELL

📍 New Haven, CT

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💻 nataleedesotell.com

## Skills

R Statistical Analysis

ADVANCED

SAS Statistical Analysis

INTERMEDIATE

ArcGIS

EXPERT

Data Visualization

ADVANCED

Database Design

INTERMEDIATE

Qualitative Interviews

INTERMEDIATE

Communication & Writing

ADVANCED

Working Independently

EXPERT

Attention to Detail

EXPERT

Microsoft Office Suite

EXPERT

## Experience

**Research Assistant** *New Haven | June 2019 - Present*

**Yale University** (*Gonsalves and Crawford Research Team*)

- Facilitate secure data sharing between the CT Office of the Chief Medical Examiner and Yale researchers
- Organize and assist with analysis of several large Ohio opioid fatality datasets (over 200MB each)
- Perform data searches to investigate the cost to states of IVDU-involved infectious diseases in states which have recently experienced HIV outbreaks, discerning broad themes and delving into complex detail
- Work on several projects simultaneously and manage multiple ongoing responsibilities though strong organizational and prioritization skills.

**Research Assistant** *New Haven | Jan 2019 - Present*

**Yale University** (*Heimer Research Team*)

- Gather, organize, maintain, analyze, and visualize CT's opioid-involved fatality data using RStudio and ArcGIS
- Geocoded over 13,000 street addresses associated with overdose fatality events
- Continue data collection process as described in internship experience below

**Web Manager** *New Haven | Sept 2018 - June 2019*

**Yale Journal of International Affairs**

- Created advertisements and calls for submissions using Adobe Illustrator
- Managed paid social media advertisements on Facebook, Twitter, and Instagram
- Posted articles in a timely manner using HTML formatting
- Managed the journal's social media presence and created its Instagram page

**HTML Programmer** *New Haven | May-Aug 2018, May-July 2019*

**Yale University Dean's Office of Gender and Campus Culture**

- Assisted the Yale College Dean's Office of Gender and Campus Culture/Alcohol and Other Drugs Harm Reduction Initiative with building an interactive Canvas LMS course with custom JavaScript, CSS, and HTML

**Research Intern** *Farmington, CT | June 2018- Dec 2018*

**CT Office of the Chief Medical Examiner**

- Reviewed opioid-involved fatalities using toxicology and autopsy reports while identifying salient details to include in our dataset
- Ensured accurate, consistent collection of highly confidential fatality data with keen eye for detail
- Introduced new methods for more consistent, systematic data collection

**Student Cartographer** *Madison, WI | Oct 2015 - March 2018*  
**UW-Madison School of Pharmacy**

- Developed first interactive web map of its kind to reveal spatial variation of antibiotic resistance in Wisconsin using hospital-level antibiogram data
- Led conference calls and meetings to track project progress and determine future directions
- Initiated and facilitated communication between the School of Pharmacy and the Wisconsin State Cartographer's Office to continue the project following my departure

**Infectious Disease Mapping Intern** *Remote | Aug 2016 - Aug 2017*  
**Department of State via Virtual Student Foreign Service**

- Recruited and led students to success in national mapping competition as part of the State Department's goal to visualize health objectives
- Organized and led a presentation by winning student team for U.S. State Department and CDC officials

**GIS Technician** *Madison, WI | Jan 2016-July 2017*

**UW-Madison Forest Ecosystem and Landscape Ecology Lab**

- Digitize landuse maps of Wisconsin that were originally hand-drawn
- Georeferenced TIFs, digitized polygons, and accurately assigned attributes to each polygon using ArcGI

**GIS Intern** *Madison, WI | Aug 2015-Sept 2016*

**Wisconsin Office of Rural Health**

- Instructed resident epidemiologist on recent GIS methods
- Performed spatial analyses and created visualizations
- Cleaned confidential data and conducted research for report publication

**Contributing Writer** *Remote Position | Mar 2013-Nov 2018*

**GenTwenty**

- Composed original articles for this online magazine geared at millennials

**Chris and Lori's Bakehouse** *Madison, WI | April 2012-July 2017*

**Westside Community Market - Bakery Stand Manager**

- Managed bakery stand at weekly farmer's market from April to November each year

## Education

**Master of Public Health: Epidemiology of Microbial Diseases**

**Yale University, May 2019**

Thesis: Spatiotemporal Investigation of Opioid-Involved Fatalities in Connecticut, 2009-2017

**Master of Science: GIS and Web Map Programming**

**University of Wisconsin-Madison, 2018**

**Bachelor of Arts: International Studies, Political Science**

**University of Wisconsin-Madison, 2013**