

# COURTNEY ZIRKEL

GEOGRAPHER/GIS SPECIALIST

## CONTACT DETAILS

Email: clzirkel@gmail.com  
Cell: 516-417-0053  
Location: Long Island, New York

## ACADEMIC HISTORY

### Binghamton University - State University of New York

MA Geography focus in GIS

- August 2016 - December 2018
- Received a full scholarship and stipend for admission into the Master's program

### SUNY Cortland

BS GIS focus in Advanced Geospatial Applications

Minors in Computer Applications, and Anthropology

- August 2010 - May 2014
- Dean's List: Fall 2010, 2012 & Spring 2011, 2012
- Organized GIS Day and Geography Awareness Week 2012 (presentation and public displays)

### University of the Sunshine Coast

Study Abroad Program in Australia

- February 2013 - June 2013
- Enrolled in geography courses that focused on urban, and cultural aspects of Australia

## GIS SKILLS

ArcGIS 10.4 + Extensions  
ArcGIS Online  
Quantum GIS (QGIS)  
Spatial Analysis  
Network Analysis  
Python  
Interactive Web Mapping  
CARTO  
GitHub  
Data Reviewer  
CityWorks  
Garmin Rhino 630  
Trimble GPS  
Garmin Forerunner  
Trimble Pathfinder  
OpenStreetMap  
Leaflet  
DJI Phantom 3 Standard Drone  
Litchi  
Drone2Map  
Google Earth  
Model Builder

## GEOGRAPHY CAREER SUMMARY

### Student Assistantship

ESRI | July 2018 - July 2018

- Accepted as a Student Assistant for the annual ESRI Conference in San Diego
- Assisted conference guests at Registration
- Secured the seminar rooms for conference goers
- Kept order and structure for seminars, enabling smooth seminar transitions
- Stocked and organized the ESRI store
- Participated in future conference campaigns

### Housing, Planning, & Community Development Intern

City of Binghamton | August 2017 - December 2017

- Identified ideas & sources to aide the city for Clean Energy City Designation
- Developed maps to identify notable age groups for improvement in becoming an "age friendly city"
- Investigated hot spot locations of off-campus student housing

### Graduate Teaching Assistant

Binghamton University Geography Dept. | August 2016 - May 2018

- Led lectures on specialized topics in geography
- Utilized Blackboard to keep students up to date with weekly tasks, grades, and upcoming exams
- Aided students in various aspects of geography, and GIS software/techniques
- Hosted office hours for students needing extra help on classroom material
- Proctored classed/exams (up to 250 students)
- Created maps for quizzes and exams
- Research Assistant for Professor Norah Henry
- Lead Teaching Assistant for Professor Eugene Tettey-Fio in GEOG 103 (Spring 2018)

### Planning and Situational Awareness Intern

American Red Cross | June 2017 - August 2017

- Participated in Home Fire Campaign: installing smoke & carbon monoxide alarms, and educating residents in Sheepshead Bay, Brooklyn about fire safety
- Created user guidebooks (and supporting maps) on how to make maps using various GIS software
- Trained as a "Missing Maps Project" Facilitator

### GIS Technician/Analyst

Suez in North America | January 2015 - August 2016

- Updated and maintained the sewer network geodatabase for Nassau County (vector data: gravity mains, manholes, SSOs, pump stations...)
- Organized daily inspection results to identify critical areas for planning team
- Acquired data from Nassau County and contractors for geodatabase accuracy
- Created small, and large scale maps for general office/field crew use
- Identified risk areas and created maps for Sonar Inspection Planning
- Generated annual reports of geodatabase updates/repair areas
- Setup GPS devices for field crew use
- Applied cartographic principles for user-friendly web map for crew, and management teams to easily interpret GIS information
- Worked closely with Nassau County on information sharing and mapping initiatives
- Followed QA/QC practices on a weekly basis before updating data to public

## OTHER SKILLS

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Javascript

Visual Basic

SPSS

Adobe Photoshop

Adobe Illustrator

Google Docs

Microsoft Office

WordPress

HTML

CSS

Blogger

Citrix

Facebook

Twitter

Instagram

Photography

GIMP

IBM Sterling Store

## AWARDS

### Binghamton University

-Best Teaching Assistant Award - 2018

- 3rd place in GIS Day Poster Competition - 2018

### Long Island GIS Day Conference

-Best Poster Award - 2017

### SUNY Cortland

- Olive C. Fish Award Winner (outstanding student in the Geography Program - 2014

- Study Abroad Exchange Award Winner - 2012

## MEMBERSHIPS

### Gamma Theta Upsilon - Binghamton

- Academic achievements in Geography Program

### American Association of Geographers

- Poster presentation at 2018 AAG Conference in New Orleans - "After the Paint Dries: An Analysis of a Gentrifying Bushwick, Brooklyn"

- Poster presentation at 2017 AAG Conference in Boston - "Bohemia in the Boroughs: Gentrification by the Creative Class in New York City"

### Phi Beta Delta International Honor Society - Cortland

### Alpha Phi Omega - Cortland Chapter

- Completed over 160 hours of community service

## CERTIFICATIONS

### FEMA

- IS-00100: Intro to Incident Command System

- IS-00200: ICS for Single Resources and Initial Action Incident

- IS-00700: National Incident Management System

- IS-00907: Active Shooter: What Can You Do?

### RED Cross

- Service Associate (SA): Disaster Services Overview, Mass Care Overview, Sheltering Fundamentals, Psychological First Aid, Everyone Is Welcome, Operations Planning Fundamentals, Incident Reporting Fundamentals, Concept of Operations Overview

## Teaching Assistant

SUNY Cortland Geography Dept. | August 2012 - December 2012

- Assisted the Geography Dept. Chair with organizing his Intro to GIS course  
- Aided students in projects and helped them develop an understanding of innovative ideas/concepts in geography

## GIS Intern

Nassau County Office of Emergency Management | July 2012 - August 2012

- Gathered data for GIS based projects  
- Developed maps for office and public use such as county maps, hurricane evacuation shelters/routes, Barclays golf tournament, and started maps for the Presidential Debate for Hofstra University

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## OTHER EXPERIENCE SUMMARY

### Fulfillment Associate

Lord and Taylor | September 2018 - Present

- Pull items from the sales floor for online, and BOPIS orders  
- Scan, and pack products for store transfers  
- Process, and package online orders in a timely/neat manner  
- Assist customers on the sales floor

### Graduate Student Advisory Committee Member

Binghamton University Geography Dept. | October 2017 - May 2018

- Acted as a student representative for endorsing faculty professors up for a tenure position

### Social Coordinator, and Alternate Senator for Geography

Graduate Student Organization, Binghamton University | May 2017 - May 2018

- Organized group events for the Graduate Geography Department  
- Acted as a liaison between the Geography Graduate Dept. and Graduate Student Organization  
- Setup and conducted Geography Department elections

### Public Relations/Fellowship Chair

Alpha Phi Omega - SUNY Cortland | August 2013 - May 2014

- Managed the Chapter's social media accounts including: Facebook, Twitter, and Weebly website  
- Organized group events within the chapter  
- Kept historical records for chapter member use

### Customer Service Associate

CVS Pharmacy | August 2008 - August 2015

- Cashier/Customer Service/Stock Room/Photo Technician  
- Addressed customers' questions and concerns by assisting them on sales floor, and at the photo lab developing digital prints  
- Trained new hires on the register and company expectations  
- Stocked, and faced the sales floor  
- Worked with inventory: stock count, and damages  
- Prepped store for upcoming sales, and seasonal setup  
- Worked at the Lynbrook, East Rockaway, and Cortland stores

### Volunteer Camp Counselor

Lynbrook Summer Playground | July 2006 - August 2008

- Organized activities for camp groups