

What It Takes To Work at Flood Control

August 2025

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Flood Warning Program Associate/Meteorologist





My Background

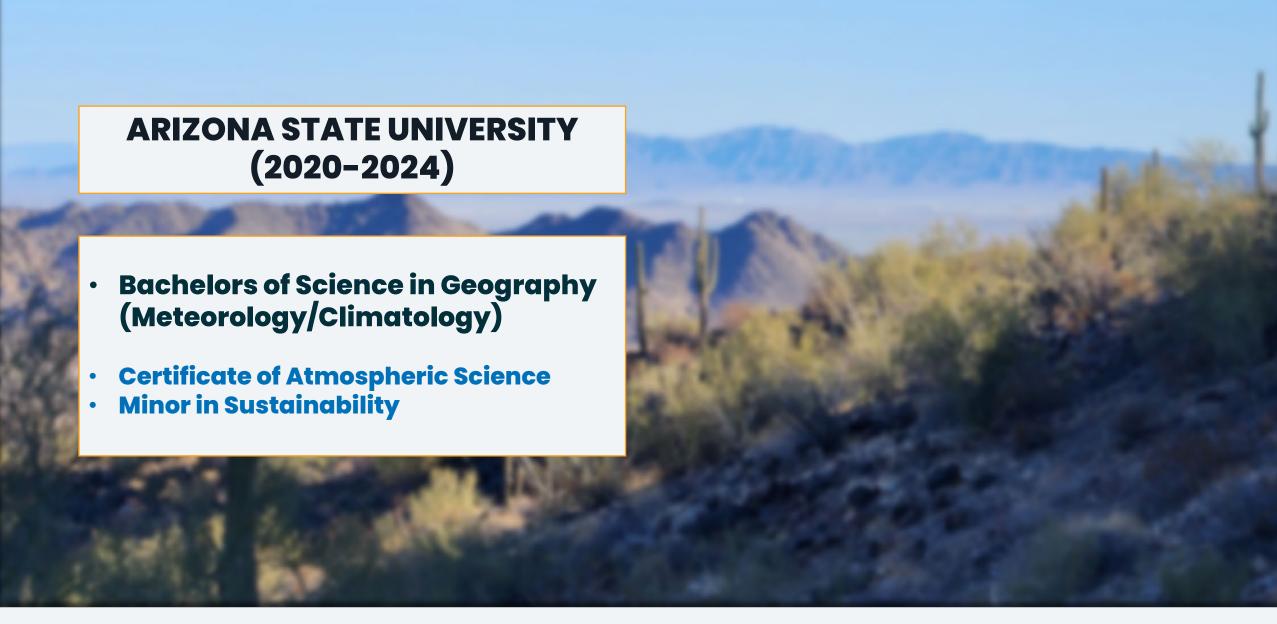
ABOUT ME



- Curiosity drew me to the meteorological world
- Loved the connection between math, science, public service, and communication

FROM THERE...







Student Involvement





Weather and Climate Club

SGSUP Volunteer

NWS Skywarn Spotter

AMS Member

(2021-2024)

(2021-2024)

(2022-Present)

(2022-Present)











What Do I Do?

My Role

at Flood Control District of Maricopa County

June 2024 – February 2025: Flood Warning Branch Intern

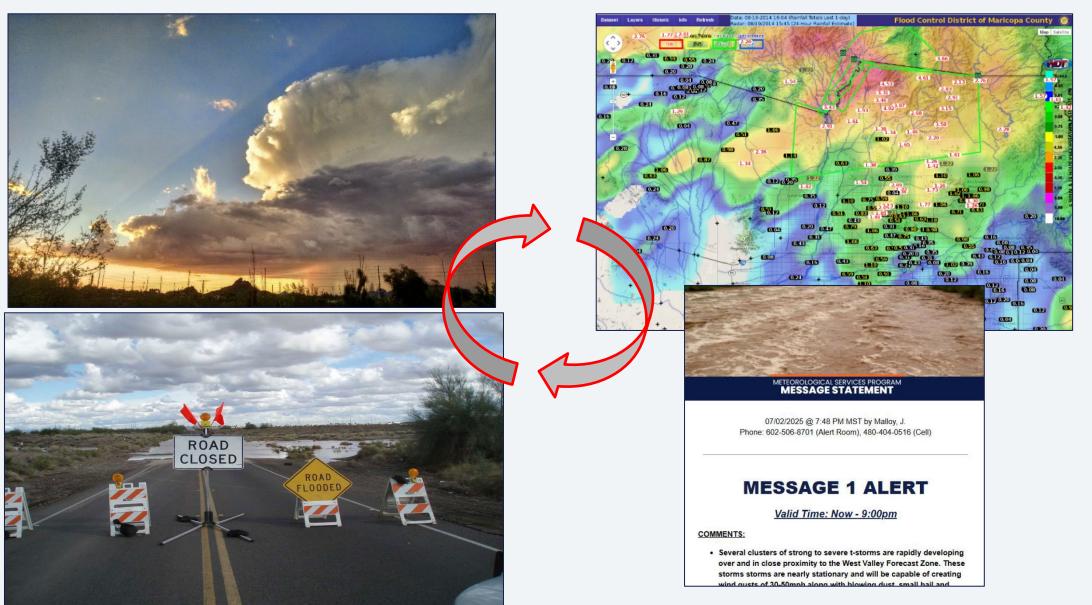


February 2025 - Present: Engineer Associate

Basically... this means I do engineer-adjacent tasks without registration as a Professional Engineer



Flood Warning Program Operations



Meteorological Services Program

Non-Message
Periods

Message Issuance
Daily Weather
Outlooks

1 Internal Alerts
Alert Operations

Post-Period

Forecast Verification
Storm Reports
Water Year Reports
Rainfall Maps



Flood Response Plans

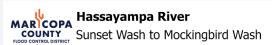
PURPOSE

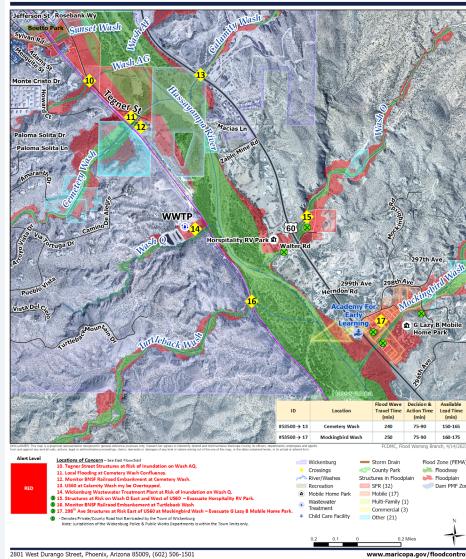
- Formalized communications/warnings
- Dissemination of information for all departments
- Outline levels of Ready-Set-Go

WHAT'S IN IT?

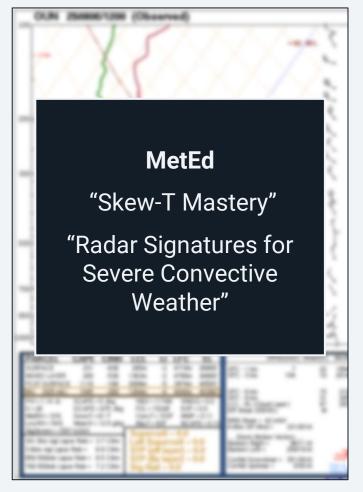
- ALERT Protocol
- Actions Required
- Trouble Areas
- Critical Times







Courses + Skills









Getting Out and Showing Off





SOCIAL MEDIA

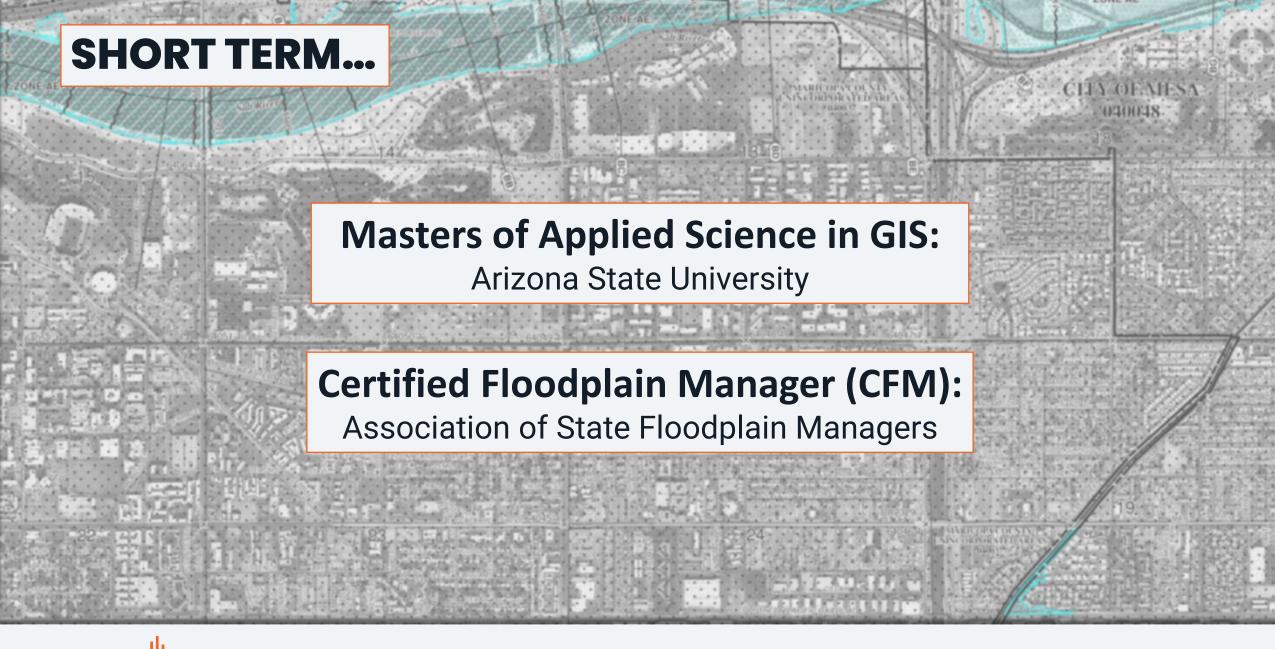
What I Wish I Knew A Year Ago...

- Be prepared to feel miles out of your comfort zone:
 - It's good for you
- Ask questions and take notes:
 - There's a lot to learn, set yourself up for success
- Trust yourself and your expertise:
 - You know more than you think you do
- Don't limit yourself to one thing:
 - Meteorologists are also hydrologists, public speakers, emergency coordinators, data scientists, etc.
- You're going to do a LOT of talking:
 - Trainings, weather briefings, conferences, webinars, social media, etc.





What's Next?







Questions?



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