Levi Cowan

Owner/Operator, Tropical Tidbits



graduate student in meteorology at Florida State University studying tropical cyclones. Since 2015, Cowan has run a Website called Tropical Tablets (Pettps://www.tropicalifidits.com), where he discusses Atlantic tropical storms and various related projects on which he is working. He also runs a Twitter stream aimed at

scientists and the public during storm events (https://twitter.com/ tropical/lidits), a YouTube channel for posting videos pertaining to tropical cyclones (https://www.youtube.com/user/merdionaljet), and a Facebook page (https://www.facebook.com/tropicaltidbits/).

How did you become interested in meteorology?

I gave up in Alaka and was fascinated by intensively from a young a. Where Poliuma chapter from a young a. Where Poliuma chapter from a young and the poliuma contained immer thanderstorms were my only direct source of inspiration at sine, he after seeing relativistion coverage of huminames, they quickly became my favories externise worder re-product and the form of my education. In graduate school at the form of my education, in guadatase chool at the form of my education. In addition, the form of my education is freely my fact, but we have been a fact of the form of the form

What prompted you to start Tropical Tidbits? It began when I was a sophomore in college. I

It began when I was a sophomore in college. I was an avid blogger at the time, and I wanted somewhere to host my meteorology content that I could call my own. I learned Web development piece by piece and launched the Website in 2012.

at first containing just my blog and little else. As I became a proficient programmer, I added numerous data products to the site, which made it into the toolbox that it is now.

Do you develop your own forecasts for Tropical Tidbits? If so, what is your process?

I do create my own video discussions on hurricanes in the Atlantic, something I have done for about a decade now. Their purpose is to inform viewers of varying backgrounds about potential storm threats, with a focus on explaining all possible outcomes using meteorological analysis at a depth that is usually not found in traditional media outlets. On a particular day, if I haven't been tracking the storm(s) of interest that day, videos usually involve at least a couple hours of me looking at data and familiarizing myself with the situation prior to recording. I prefer to record ad lib. as it allows me to communicate more authentically. Since I utilize a lot of on-screen apporation in my videos, it's difficult to write a script for that style of analysis, anyway.

Who is Tropical Tidbits' main audience and how do you feel your viewers primarily use your forecasts?

Ye always tried to catter to a diverse audiners, My viside discussions aim to be relatively undersandable to the lappeners while also containing scientific analysis for visions in the field of metionships. The data produces in the field of metionships. The data produces in by meteorial gains, but many from the general public also find the data swell, and enjoy macking storms in real time or viewing comparte model forecasts themselves. It difficult to calculate what fractions of my users are from the general public versus protinguishment of the produces of the second models of the produces of the produces of the sudience down it filely the general public.

I understand this is a side business for you, and your full-time job is as a graduate student





https://www.tropicaltidbits.com

in meteorology. Is it a nonprofit? How much of your time does it take, particularly during the active tropical storm season?

The Website is free, though many people have generously contributed to it voluntarily, which pays the fees necessary to keep it running. The most time-consuming task I have is creating the video discussions during the hurricane season, which can take several houses out of a single day, and in necent years I've had to limit those to time when storms are actively threatening land. The rest of the Website runs fairly smoothly on the several proposition of the several rest of the Website runs fairly smoothly on the several rest of the Website runs fairly smoothly on all ylave to fix problems. When I cantully have free time to work on it, I try to add new tools to the site to expand its capabilities.

How do you feel you differ from other larger forecasting organizations like AccuWeather?

It of the same of the same accordance to the same way that large companies do. While the Webster way that large companies do. While the Webster does earn more from adversinger sevenes during does earn more from adversinger sevenes during making videos and maintaining them part lo spend making videos and maintaining them part loss and maintaining the same part loss and maintaining as long as I can Many people also expect storm updates from me, so it's difficult to step those entitles, even when I'm present for time.

What has been the most challenging storm for you to forecast? Why?

Recently, I think hurricanes like Irma in 2017 and Dorian in 2019 that affected Florida have been particularly challenging, but mostly because of the communication aspect of the forecast. Because of the tracks of both storms nearly parallel to the Florida peninsula, it was difficult to convey to Floridinas the uncertainty in which areas would be severely impacted, and the necessive of preparaing for the worst-case scenario. People don't tend to respond to uncertainty very well and offen have trouble understanding what the forecast is when there is low confidence in how the storm will impact them. Communicating potential weather haards to the public continues to be one of the greatest challenges in meteorology.

What has been your biggest challenge overall running this site?

It's probably been most challenging ensuring that I have enough computational resources to generate data products and handle Web trait. The demands of both tend to rise over time, and expanding my capability to handle them takes a loo of time and effort.

I know you run the Tropical Tidbits Website, you tweet, and you run a YouTube site, all of which provide extremely useful information. Which was started first and why did you branch out into the other venues?

With my roots in blogging when I was young, I sastered off with videos and written posts on online forums. You'lde came first along with that. I then made tropical tablists com and created With stem and extracted With it, and those are the two social media platforms I post to consistently to this day. I did this mostly to maximize my reach, as social media has become a much more effective medium for gainting exposure than online forums are now.

What other projects are you working on currently?

My time is currently taken up entirely by my Ph.D. work and maintaining Tropical Tidbits, so there's not much else I'm working on at the moment, but perhaps in another phase of life I will have more time to branch out.