Front-end Style Guide

- Preferred Google Font:
 - o Inter
 - o Arimo
 - o IBM Plex Sans
- Preferred Color palette:
 - o #785E2A
 - o #FFD278
 - o #E3B559
 - o #1D4D96
 - o #5990E3

Heading

- h1
- Main page header
- h2
- o Paragraph titles

Grouping Content

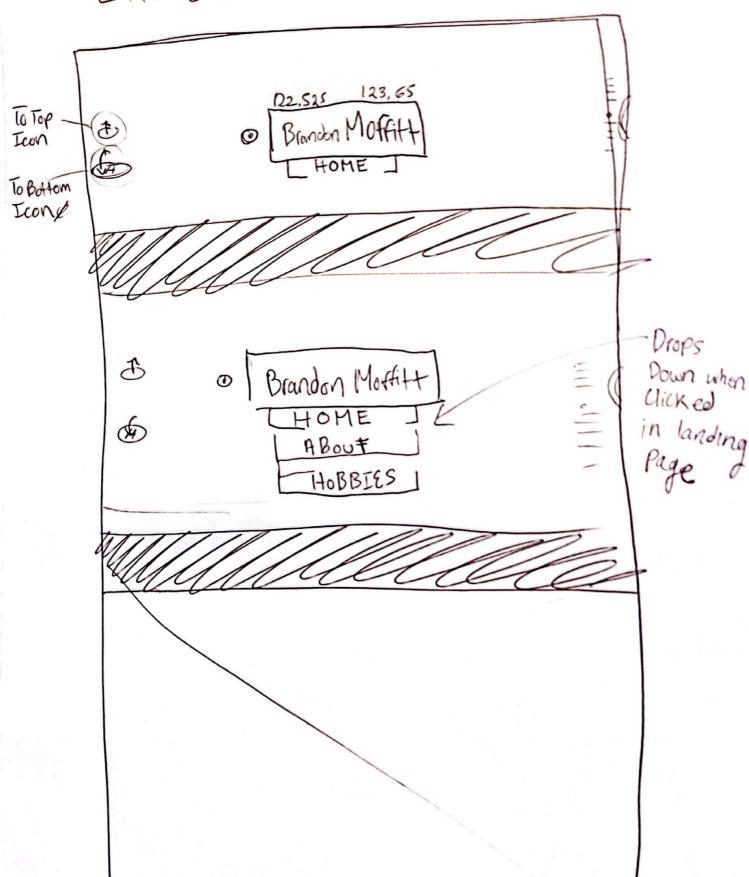
- p
- o format containing information in paragraph form.
- ul
- Unordered list
- ol
- Ordered list
- li
- o list element → Indicates an item within a list
- o resides within either ol or ul
- blockquote
 - o represents a section that is being quoted from someone or another source
- figure
 - o used to implement images, diagrams, photos, and other graphic content.

Text-level semantics

- 8
- used to hyperlink text
- strong
 - o denotes text with strong importance
- a
- used for quoting text inline

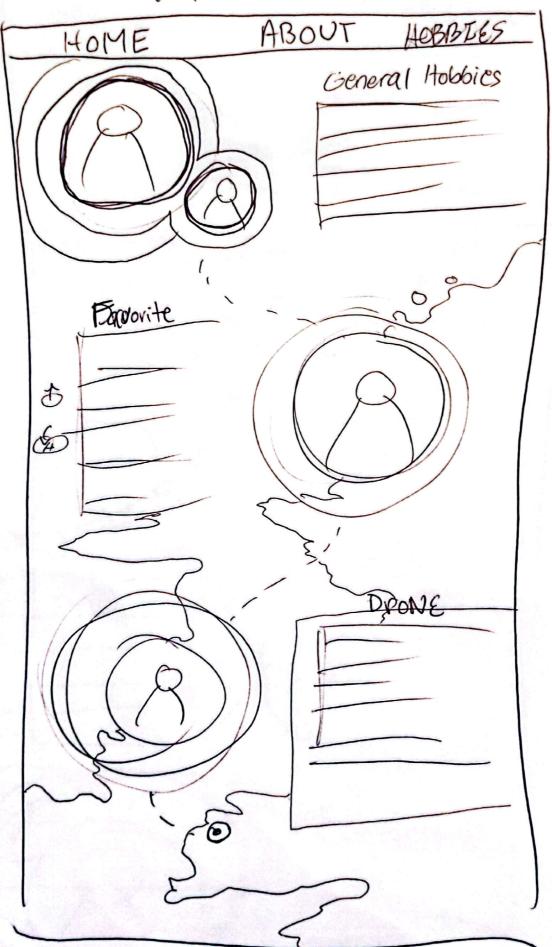
SITE SKETCHES

LANDING PAGE



BOUT PAGE 133,65 Brandon Moffit ABOUT -HOBBIES A B OLLET HOME Profile Picture Profile pic FAMILY Fram pic Dreams/goals Goalpic)

HOBBY PAGE



Interview

At least one completed interview of the subject (the document must contain a minimum of 10 interview questions and responses from the subject).

Please do not share any information you are uncomfortable with being posted online.

Interviewer: Abigail Klein

Interviewee: Brandon Moffitt

1. Do you go to school? If so, where at?

Yes, UW-Parkside in Kenosha, WI, and I live at the dorms.

2. Where did you grow up?

I moved around a bit to start. I was born in Madison, WI, and shortly after we moved to Illinois where I have been since. I was raised in Joliet, IL as well as St. Charles, IL.

3. How was your childhood? Your adolescent life?

It was that of a pretty standard one. Do what you are supposed to do, work hard, and good things come.

4. Describe your family. Are you close to them? Do you have siblings? Pets?

I have two parents, two siblings, three dogs, and a whole list of extended family. My dad is Greg, mom is Tara. Sisters are Megan and Emma. I have a mini golden doodle named Cooper, a jackrussel beagle and one other mix named rocky, and a black lab pit bull mix named Smokey. We are all very close, though we have the times where we butt heads. Small stuff.

5. What are your 3 major morals/values?

Work for what you want. Don't let others determine what you are capable of. What seems impossible, is possible from another perspective.

6. What are your hobbies?

Music (practices acoustic guitar and electric guitar (over 10 years experience); has dabbled in violin, cello, and bass), video games, drones, 3D printing, modeling, LiDAR / photogrammetry

7. Out of the hobbies, which one is your favorite?

Drones.

8. How long have you been practicing your favorite hobby?

6 or so years, I can't quite remember. I remember however having several drones before the ones I have now.

9. Did you have any education or mentors to help you improve your skills relating to your favorite hobby? If so, when did you begin your education and when and how did you end it (if you dropped out or finished)? Did you receive any degrees, certificates, or licenses as a result of your education?

My dad. He is also in the world of aviation, and majorly helped me get the required licenses to fly these drones commercially. Title 14 CFR Part 107: sUAS. Fancy way of saying I can make money with drones.

10. Why is that hobby your favorite? What about this hobby piqued your interest?

Drones. Drones. Drones. The adrenaline rush you get doing acrobatic tricks, pulling several G's on the frame of the aircraft is unbeatable. I even have to sit down while I fly them so I don't fall over trying to compensate so I know which direction the drone is facing.

11. Has what you found interesting about the hobby or has the reason why you practice the hobby changed from when you began to now?

I started out flying them for fun, with no intent to really make any money off of it. When I noticed some of the possibilities with the equipment I had, and the money to be made, it explained itself it terms of where I wanted to take things.

12. What are your aspirations/dreams/goals?

To own my own drone business. 100%. And I am actively working on getting it going. I hope it will be successful enough to support my lifestyle and future family.

13. When do you hope to achieve these goals?

Sooner rather than later, because I do not want to work in an office for a career. I have ADHD, so sitting in one place doing the same thing straight out does not work for me.

14. What are your accomplishments?

I can't think of any.

15. If you were to describe yourself with three words, what would they be?

Smart, determined, and technical.

16. If others were to describe you with three words, what would they be?

Persistent, informative, and approachable

Hobbies & Inspiration

Brandon has various hobbies: playing instruments (guitar player for over 10 years and has dabbled in violin, cello, and bass), video gaming, flying drones, 3D printing and modeling, and practicing LiDAR/photogrammetry. Out of these hobbies, flying drones are Moffitt's favorite, "The adrenaline rush you get doing acrobatic tricks, pulling several G's on the frame of the aircraft is unbeatable."

The Federal Aviation Administration (FAA) regulates the aviation system to ensure the safety of pilots and the public. Drones, which qualify as an unmanned aircraft system (UAS) have been limited to public missions such as disaster relief, search and rescue, and scientific research. It wasn't until recent years that the FAA authorized some non-recreational UAS operations in controlled, low-risk situations. Unauthorized airspace includes areas above large crowds, areas above major urban areas, and areas with a high density of manned aircraft. There are also other restrictions depending on the craft such as altitude limitations. In addition, the FAA also requires remote ID so that unmanned aircrafts can be identified while in use.

src: https://www.faa.gov/newsroom/unmanned-aircraft-systems-uas

Brandon thanks his father, a private pilot for 32 years, for introducing him and being his mentor for learning FAA restrictions, aviation laws, and everything else to do with the aviation world. Brandon's father helped him study and prepare for the exams required to fly drones commercially (no license is required to fly as a hobbyist for a small drone user). As a result of their efforts, Brandon has been a proud holder of his Title 14 CFR Part 107: sUAS license since November of 2022.

Over his six years of flying drones, Brandon has flown several. The drones within his fleet currently are the DJI FPV and the DJI Mini 2.

DJI FPV:

The DJI FPV enhances the pilot's immersion with the aircraft by implementing stable video (120 fps max frame rate) transmission into their multi-antenna DJI FPV Goggles. The goggles are so immersive that Brandon exclaims that, "Brandon "I even have to sit down while I fly them so I don't fall over trying to compensate so I know which direction the drone is facing." The antennas coordinate communication between the air unit, remote controller, and goggles. The DJI FPV camera is also a 150° ultra-wide-angle lens for an expansive field-of-view. The camera also records at 4k/60fps. In addition, the system can operate in three different modes: Standard, Racing, and LED.

Standard Mode: "Standard mode reduces color loss and preserves more original details, improving daytime image quality."

Racing Mode: "In Racing mode the image contrast increases, helping pilots to distinguish obstacles throughout the course."

LED Mode: "LED mode increases the color saturation on LED lights and reduces noise during night races, allowing pilots to track the location of their air units easily."

src:

https://www.dji.com/fpv#:~:text=The%20DJI%20FPV%20Goggles%20are%20light%2C%20comfortable%2C%20and,an%20engaging%20FPV%20flying%20experience%20for%20the%20user.

https://www.dji.com/dji-fpv?site=brandsite&from=nav

DJI Mini 2

The DJI Mini 2 is an even smaller drone compared to that of the DJI FPV. Unlike the FPV, the Mini 2 does not have the DJI Goggles but instead an app that connects to your phone that transmits with the drone.

src: https://www.dji.com/mini-2?site=brandsite&from=nav

Unmanned Aircraft Systems (UAS) | Federal Aviation Administration (faa.gov)

DJI Digital FPV System - DJI

DJI FPV - Redefine Flying - DJI

DJI Mini 2 - Make Your Moments Fly - DJI

Balt-Wash Heli.pdf (faa.gov)

Aeronautical Chart Users' Guide (faa.gov)

What Frequency Do Drones Use? - Aero Corner

"5.4.3.2 Sans serif fonts (for example, Futura or Helvetica) are recommended for displays viewed under extreme lighting conditions." <u>AC 25-11B - Electronic Flight Displays (faa.gov)</u>

Bio

The nineteen-year-old, Brandon Moffitt, could be described by others as someone who is persistent, informative, and approachable. He would go on to describe himself as also smart, determined, and technical. Brandon's

and others' observations of his own characteristics more than reflect the values that he lives by, "[My life so far is] that of a pretty standard one: do what you are supposed to do, work hard, and good things come... Work for what you want. Don't let others determine what you are capable of. What seems impossible, is possible from another perspective."

Brandon gained these values throughout his life which started in Madison, WI, where he was born. Shortly after his birth, Brandon and his family moved to Joliet, II and finally to St. Charles, II where Brandon resides part time with his two sisters, Megan Moffitt (13) and Emma Moffitt (20); his father, Greg Moffitt (49); his mother, Tara Moffitt (43); and his three dogs: Cooper, Rocky, and Smokey. The other part of his time is spent living closer to University of Wisconsin – Parkside where he is currently pursuing a Bachelor's Degree in Computer Science. Even though he is away from home, Brandon and his family still maintain a tight relationship, "We are all very close, though we have the times where we butt heads. Small stuff."

Brandon also has been diagnosed with ADHD since childhood, finding it difficult to conduct redundant tasks. As such, Brandon's career goal is to avoid an office. He would prefer to work remotely where he can move around. Brandon's greatest dream is to improve his business, one of his hobbies that he is currently working to make it into a career, enough to support him and his future family.

***NOTE: Blue color words in the passages above ^ link to hobby page













