

CONTENTS

<i>List of figures</i>	<i>viii</i>
<i>List of tables</i>	<i>xi</i>
<i>Acknowledgments</i>	<i>xii</i>
Introduction	1
1 Sketching: A short history	5
2 Sketching: Visual information processing	17
3 Interviews: What sketching means and looks like for other designers	24
4 Sketching: Purpose, attributes, and types of sketches	118
5 Sketching: Exercises and tools	136
6 Exploring beliefs and practices about sketching in higher education and in the design profession	155
Concluding thoughts	168
<i>Appendix: Exploring beliefs and practices about sketching in higher education and in the design profession: Survey questions</i>	<i>171</i>
<i>Bibliography</i>	<i>181</i>
<i>Index</i>	<i>186</i>

FIGURES

1.1	Alma Hoffmann, "Perforated pattern and anthibola in ink and watercolor with a depiction of The Lamentation from Carfu, 18th c." 2012	10	3.23–3.25	Mike Rohde, "Sketchnotes." 2018	69–70
1.2	Mike Rohde, "Sketchnote future of water pencil sketch v2." 2011	16	3.26	Mike Rohde, "Sketchnotes." 2015	70
2.1	Alma Hoffmann, "Sketch explaining the process of how we see and interpret what the brain sees." 2017	19	3.27	Sahm Jafari, car designer at Tesla	71
3.1	Karl Jahnke, assistant professor of animation at the University of South Alabama	25	3.28–3.32	Sahm Jafari, "Car sketches." Unknown dates	77–78
3.2–3.4	Karl Jahnke, "Sketches." Unknown date	28–29	3.33	Eva-Lotta Lamm, "Sketchnotes." 2017	84
3.5	Anastasia Pistofidou, director of the FabTextile research lab and the Fabricademy	30	3.34–3.35	Eva-Lotta Lamm, "Sketchnotes." Unknown date	85
3.6	Laura Civetti, interior designer	35	3.36	Eva-Lotta Lamm, "Sketchnotes." 2017	86
3.7–3.11	Laura Civetti, "Sketches." 2017	40–42	3.37	Barbara Trippeer, "Flat sketches/studies." Unknown date	90
3.12	Mark Tippin, design communicator, design thinker, and visualizer	43	3.38	Barbara Trippeer, "Croqui studies." Unknown date	90
3.13	Diane Burk, exhibition designer and collage sketcher	46	3.39	Barbara Trippeer, "Gesture drawing study." Unknown date	91
3.14–3.16	Diane Burk, "Collages." 2017	52–53	3.40	Barbara Trippeer, "Gesture study of live model." Unknown date	91
3.17	Joe Sam Queen, architect, and at the time of this interview, running for State Legislature in North Carolina (he won the election)	54	3.41	Barbara Trippeer, "Historical study." Unknown date	92
3.18–3.21	Alma Hoffmann, "HART. Haywood Arts Regional Theater, Waynesville, North Carolina. Designed by architect Joe Sam Queen." 2018	59–60	3.42–3.44	Barbara Trippeer, "Iterative studies." Unknown date	92–93
3.22	Mike Rohde, user experience designer, professional sketchnoter, and author	61	3.45	Barbara Trippeer, "Notebook studies." Unknown date	94
			3.46	Barbara Trippeer, "Notebook studies for Air France uniforms." Unknown date	94
			3.47	Barbara Trippeer, "Gesture drawing." Unknown date	95
			3.48	Brandon Gibbs, designer and innovator	96
			3.49	Brandon Gibbs, "Sketch." Unknown date	98
			3.50–3.54	Brandon Gibbs, "Sketches." Unknown date	99–101
			3.55	David Kadavy, "Sketch." Unknown date	106
			3.56	Denys Mishunov, front-end developer and illustrator	107
			3.57–3.60	Denys Mishunov, "Gorilla sketches." c. 2012–2013	114–115
			3.61–3.63	Denys Mishunov, "Sketches." Unknown date	116–117
			4.1	Alma Hoffmann, "Which ball?" 2019	119
			4.2	Alma Hoffmann, "Sketch of the design process." 2018	122
			4.3	Alma Hoffmann, "Sketches made while explaining how to sketch type in class." 2018	123
			4.4	Alma Hoffmann, "Sketches done while in a faculty meeting." 2017	124
			4.5	Karl Jahnke, "Character studies." 2017	125
			4.6–4.7	Benjamin Shamback, "Learning Dutch." 2018	126
			4.8	Joseph Beuys, Energie Plan for the Westman, 1974	127
			4.9	Karl Jahnke, "Annotated sketches and studies." 2017	128
			4.10	Alma Hoffmann, "Photo of Harley Davidson blueprint." 2017	129
			4.11	Benjamin Shamback, "Thumbnail studies." 2018	130
			4.12	Alma Hoffmann, "Live notes during a talk by guest speakers Johnny Gwin and Stacy Welborne in class." 2018	131

✕ Figures

4.13	Alma Hoffmann, "Practicing calligraphic strokes creatively." 2017	132
4.14	Eva-Lotta Lam, "Problem solving interaction photo scrolling." 2017	133
4.15	Eva-Lotta Lam, "Travel diary." 2017	133
4.16–4.17	Danielle Sack, "Study with cut letters." 2018	134
4.18	Diane Burk, "Collage sketches." 2017	135
5.1	Alma Hoffmann, "Sketchnotes, Moleskine sketchbook, and pens." 2019	137
5.2	Alma Hoffmann, "HART. Haywood Arts Regional Theater, Waynesville, North Carolina. Designed by architect Joe Sam Queen." 2018	139
5.3	Alma Hoffmann, "Abstracting the composition as points." 2019	140
5.4	Alma Hoffmann, "Abstracting the composition as lines." 2019	140
5.5	Alma Hoffmann, "Abstracting the composition as planes." 2019	141
5.6	Alma Hoffmann, "Abstracting the composition using different lines." 2019	141
5.7	Alma Hoffmann, "Combining points, lines, and planes." 2019	142
5.8	Alma Hoffmann, "Watercolor to music 1." 2019	144
5.9	Alma Hoffmann, "Watercolor to music 2." 2019	144
5.10	Alma Hoffmann, "Example of one-point perspective in landscape." 2019	147
5.11	Alma Hoffmann, "Example of disjointed human figure shapes." 2019	149
5.12	Alma Hoffmann, "Sketchbooks." 2018–2019	150
5.13	Alma Hoffmann, "Tools and pens." 2019	152