

Zak Ziebell
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Education

Brown University BA Magna Cum Laude, Symbolic Systems, 2019
Rhode Island School of Design BFA (Honors) Painting, 2019

Work Experience

3D Scanning Contractor, Trinity University, San Antonio, TX, April 2020-present

- Document spaces within Trinity University by scanning rooms with photogrammetry and 360 cameras.
- Process scans into 3D models with error correction and artistic touch up.
- Using original Javascript web applications, allow public access of virtual tours and gallery openings.

Amema, San Antonio, TX, and Providence, RI, 2017-present

Founder

- Created, assembled, and sold hundreds of 3D printed jewelry pieces to customers online and in local art sales.
- Collection acquired and featured by experimental New York fashion boutique Café Forgot.
- Completed commissions from musical artists like Dijon and other NDA protected clients for custom promotional items.
- Developed and implemented original fabrication methods for 3D printed fashion using neural networks and 3D graphics techniques.
- Create media, branding, and advertisements with 3D rendering and animation.

Immersive Experience Lab, HP Labs, Palo Alto, CA, Jan. 2019 - February. 2019

Research Intern

- Created experimental molds of a human brain for a medical education technology project. Original scan from a medical donor was used to print molds on HP MultiJet Fusion technology.
- Created an original color 3D printed modular zoetrope, using a system of magnets and interchangeable frame figurines for customizable animation.
- Researched and wrote, with feedback from lab colleagues, first draft of a philosophical and historical text on the impact of 3D printing on aesthetic objects. Held presentation on these ideas to HP Lab colleagues.

Brown University Center for Digital Scholarship, Providence, RI, Jan. 2016 - Aug. 2019

Makerspace Consultant

- Oversaw student and faculty use of makerspace lab in the Brown University Rockefeller Library. Designed and printed various commissioned parts. Trained and experienced in operating a 3D Systems ProJet 660 Pro full-color, gypsum-based 3D printer.
- Wrote protocols and guided Makerspace employees in preparing models and resolving common errors in color 3D printing.

- Digitally archived historical and archaeological objects with Artec Spider high precision 3D scanner.

Brown University Center for Digital Scholarship, Providence, RI, Jan. 2016 - Aug. 2019

Student Designer and Developer

- Implemented UX/UI redesign of scholarly resource websites, including the [U.S. Epigraphy Project](#), [Theater That Was Rome](#), and [Inscriptions of Israel and Palestine](#).
- Maintained web databases and implemented new features with Python Django framework.

Eyebeam, Brooklyn, NY, July-Aug. 2016

Communications Intern

- Worked closely with Eyebeam's Head of Communications in planning and implementing a major overhaul of Eyebeam's website. Changes included revising and streamlining significant portions of the website's CSS and PHP, and creating an interactive Three.js graphic for the site's logo.

Honors and Awards

- Phi Beta Kappa
- 2018 Brown University Marshall Scholarship Nominee
- 2017 Brown University Library Innovation Prize

Publication History

Ziebell, Z. (2019, February 7). 3D Printing and the Status of Objects, published draft. *HP Labs*

Hays, L & Ziebell, Z. (2018, April 6). The Glue Factory. *The College Hill Independent*.

Hays, L & Ziebell, Z. (2018, March 15). Anecdotes + A Fib. *The College Hill Independent*.

Ziebell, Z. (2018, February 9). On Scrolling. *The College Hill Independent*.

Ziebell, Z. (2017, October 27). Suspicion. *The College Hill Independent*.

Ziebell, Z. (2013, December 10). *World History: The Comic: Part 1*. Amazon.

Exhibition History

- 6/2019 East of What? Orientation, Jerusalem Design Week, Hansen House, Center for Design Media and Technology, Jerusalem, Israel
- 4/2019 "401", Memorial Hall Gallery, Providence, RI
- 3/2019 Senior Painting Degree Project Exhibition, Woods-Gerry Gallery, Providence, RI
- 1/2018 X - The 10th Annual Brown|RISD Dual Degree Exhibition, Granoff Center for the Arts, Providence, RI
- 11/2017 Brian Bellott's People Pie Pool, Performa 17, Abrons Art Center, New York, NY
- 11/2017 RedGreen / BlueYellow, Space 369, St. Paul, MN
- 10/2017 Call the Engineers, Point St. Studios, Providence, RI
- 8/2017 The Poetics Of Verticality, Spektrum, Berlin, Germany
- 3/2017 Late Night Pundit, Fri-ends Gallery, Providence, RI
- 1/2017 Re: Memory - The 9th Annual Brown|RISD Dual Degree Exhibition, Granoff Center for the Arts, Providence, RI

- 1/2016 2 x 4 –The 8th Annual Brown|RISD Dual Degree Exhibition, Granoff Center for the Arts, Providence, RI
- 1/2016 Experimental and Foundation Studies Division Triennial, Woods Gerry Gallery, Providence, RI
- 1/2015 Of[f] Course - The 7th Annual Brown|RISD Dual Degree Exhibition, Granoff Center for the Arts, Providence, RI

Press and Writing

Menotti, Gabriel. "Volumetric Reconstructions of Found Footage: Stressing the Non-Identity of 3-D Replicas." MIT *Leonardo*, 53, (Forthcoming 2020)

Firth, Simon, HP Labs Blog. (2019, January 22). Zachary Ziebell, a rare winter intern at HP Labs. Retrieved from

<https://garage.ext.hp.com/us/en/hp-labs/zachary-ziebell--a-rare-winter-intern-at-hp-labs-.html>

Soulages, F., & Zorzal, B. (2017) *Images d'images*. "Récupérant l'objet: extrapolations volumétriques de found footage" Menotti, Gabriel, pub. IMAGES OF IMAGES Under the direction of François Soulages and Bruno Zorzal

Netwon, P. (2014, January 9). San Antonio Student's Artwork Goes Viral, Sparks Worldwide Nationalistic Bickering. Retrieved from

<https://glasstire.com/2014/01/08/students-artwork-goes-viral-sparks-worldwide-nationalistic-bickering/>

Friedman, U. (2014, January 8). What You Get When 30 People Draw a World Map From Memory. The Atlantic. Retrieved from

<https://www.theatlantic.com/international/archive/2014/01/what-you-get-when-30-people-draw-a-world-map-from-memory/282901/>