

# H3 INDEX

'H3 Index' probes the conceptual and practical parallels between drawing and data visualisation. The culminating work for a PhD. in Media Art, 'H3 Index' explores the indeterminate aspects of data visualisation— how uncertainty and error creeps into infallible data, through the accumulation of technological processes.

This practice-based research began as an attempt to record and visualise biometric data from a Fitbit as emotional maps— charting changes in heartrate overlaid onto GPS data.

However, the data produced by these objective technologies was erratic in nature. While GPS data is prized for accuracy, its more uncertain qualities are more commonly experienced— glitches from interference with the built environment or electromagnetism that guide us along errant trajectories. The biometric sensors of wearable devices are similarly fallible, producing false readings based on sweat levels, movement and skin-colour. 'H3 Index' considers this interference as a productive quality, inserting the wavering qualities of the handmade into data visualisation artworks. The interaction between error and intention bridges ideas of traditional crafting, drawing and data visualisation. Just as the craft object bears the tremors of the maker's hand, these artworks are a confluence of errors and interference— traces of the body, of algorithms, tooling and the errors of translated code.

Special Thank you yo:

Richard Blackwell, Advanced Manufacturing Lab, UNSW Built Environment. Dylan Wozniak-O'Connor, Design Modelling & Fabrication Lab USYD. Gabriel Undery, Design Futures Lab, UNSW Built Environment. Eric M. Hoenig. Audrey Pfister and Kieran Butler.

Supervision:  
Dr Kate Dunn  
Dr Astrid Lorange

**Space 2**

**Vaughan  
Wozniak-Oconnor**

**Exhibition continues  
29.10.20 - 14.11.20**

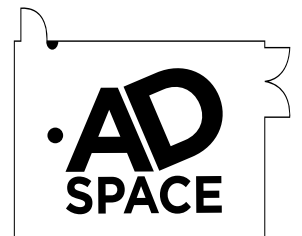
This exhibition was made possible with the assistance, generosity and expertise of the Design Futures Lab and Advanced Manufacturing Lab, UNSW Built Environment.

**Weekly Live Stream  
Tours @ 12pm.**

**KUDOS GALLERY**  
6 Napier St Paddington NSW 2021

Wed to Sat, 11am - 4pm  
T 02 9326 0034  
E [kudos@arc.unsw.edu.au](mailto:kudos@arc.unsw.edu.au)  
W [arc.unsw.edu.au/kudos](http://arc.unsw.edu.au/kudos)

Kudos Gallery is run by UNSW A&D students and funded by Arc @ UNSW Limited.



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1. Multicam Study 2020, Vaughan Wozniak-O'Connor & Richard Blackwell, 6mm birch plywood, ink, video (45min). 1220x 2440mm. POA
2. GLONOSS 2020, Vaughan Wozniak-O'Connor, 9mm bracing plywood, ink, digital plotter. POA.
3. Dendro/Volume 2020, Vaughan Wozniak-O'Connor. 35mm birch furniture plywood. 1200 x 2400mm. POA
4. DXF trace 2020, Vaughan Wozniak-O'Connor. 35mm birch furniture plywood. 1200 x 600mm. POA

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