

[Information]

I am a technologist and writer, skilled in frontend development, spatial data analysis and visualisation, design, and strategy. I am interested in coordination mechanisms, social and civic technologies, and cities: what they are and what they can become.

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August 11, 1998

John Michael Hadaway | John Holopainen Hadaway

Finnish | Australian | Filipino

[Work Experience]

SPIN Unit | Helsinki, FI

May 2021 - July 2022 | Partner

March 2019 - May 2021 | Research Assistant / Data Scientist

SPIN Unit is an urban research and innovation practice dedicated to discovering urban values. Internally, I automated GIS processes (Python), built the company's website (HTML, CSS, JS, Liquid), wrote organisational documentation, and helped launch and run a new initiative, A Real Space, located in the heart of Helsinki. For public and private clients, I processed, analysed, and visualised spatial data (Python, R), built project websites, and worked on various ad hoc design tasks.

University of Chicago, Department of Sociology | Chicago, USA

January 2018 - May 2021 | College Research Fellow, advised by Professor Marco Garrido

Supported by the College Research Fellows Programme, I assisted Professor Marco Garrido. My data analysis and visualisations contributed, in some small way, to his interwoven projects of grounding the illiberal turn in people's experience of democracy and describing class relations with respect to urban fragmentation.

HKU Guild | Hong Kong

June 2021 - September 2021 | Summer Design Fellow

The HKU Guild is the home of creative arts at the University of Hong Kong. Supported by a University of Chicago grant, the Liew Family Black Box Internship, I worked with the HKU Guild on various design projects and ad hoc tasks, including a collaboration with the Hong Kong Ballet, The Situation Room. I designed key visuals, and produced collateral — videos, animations, layouts — for marketing.

Community Programs Accelerator | Chicago, USA

October 2017 - October 2018 | Data Team, Project Consultant

The Community Programs Accelerator is a non-profit incubator at the University of Chicago. During my time there, I worked with local, community-based non-profits, analysing civic and organisational data in order to develop community-centric impact strategies.

Ernst & Young (SGV) | Manila, PH

June 2017 - August 2017 | Summer Analyst, Robotic Process Automation Group

As a Summer Analyst at Ernst & Young, I took part in EY's Core Consulting program and developed an extensible implementation of Otsu's method in R to extract civic data — building heights — from grey-scaled satellite images at scale.

[Research Experience]**Tampere University, Suburban Project | Tampere, FI**

February 2022 - June 2022 | Research Assistant

Processed and analysed location-based social media data (Python, Geopandas) for research on social space in densifying suburbs in the Helsinki region. Cleaned and presented the data for further research.

HKUST Business School | Hong Kong, HK

May 2020 - June 2020 | Research Assistant for Professor Kai-Lung Hui

Conducted literature review in organisational psychology on the effects of information system surveillance, and proposed various research model designs for an ongoing research project.

London Business School & University of Chicago, Department of Economics | London, UK

November 2018 - March 2019 | Research Assistant

Cleaned and preliminarily analysed a dataset (R) with antitrust law cases between 1980 and 2019, making the data usable for further analysis.

[Education]**University of Chicago | Chicago, US**

2016 - 2021 | Bachelor of Arts in History, Major GPA: 3.97/4.0

Concentrated in urban history. Went on leave from 03/2019 to 09/2020 in order to study at the Architectural Association School of Architecture.

Awards: Dean's List, College Research Fellow, CISSR Grant, Micro-Metcalf Award, Summer Metcalf Fellowship. Activities: President of Kababayan

Relevant Courses: Urban Sciences, Cities by Design, Complex Curves and Plastic Shapes (Studio), Computer Science with Applications, Statistical Models and Methods, Mathematical Methods for the Social Sciences, Calculus I-III, GIS, Mathematics of Evolution, Media Aesthetics I-III

Architectural Association School of Architecture | London, UK

2019 - 2020 | First Year, Architecture (*Cut short*)

Awards: First Year Nominee for the AA Writing Prize, High Pass for History and Theory Studies. Activities: AArcade.

International School of Manila | Manila, PH

2009 - 2016 | International Baccalaureate Program

Awards: Exemplary Student Award, Service Award, Leadership Award, Student Choice Award

Activities: Student Council President, Service Learning Council, Model United Nations

[Key Projects]**Shrinking Cities, Estonia | SPIN Unit**

September 2021 - February 2022 | Client: Ministry of Finance, Estonia | Role: Data Analyst
Analysed and visualised patterns of shrinkage and renewal across and within Estonian municipalities.

Shrinking Cities, Ida Viru | SPIN Unit

September 2021 - February 2022 | Client: Ida Viru, Estonia | Role: Data Analyst
Analysed and visualised patterns of shrinkage and renewal in Estonia's Ida-Viru region.

Analysis of Queen Elizabeth Olympic Park, London | SPIN Unit

September 2021 - December 2021 | Client: Fyma | Role: Data Analyst / Project Lead (SPIN)
Worked with an early-stage computer vision company, Fyma, to develop KPIs for urban infrastructure efficacy in a pilot with the LLDC, analysing the Queen Elizabeth Olympic Park.

Re-centre Jyväskylä | SPIN Unit

September 2021 - October 2021 | Client: City of Jyväskylä | Role: Designer, Data Analyst
Ran a workshop for businesses along Jyväskylä's high-street, analysing existing dynamics, giving participants tools for co-creating a shared vision, and ultimately building the community's website.

HOL Bus Stop Survey | SPIN Unit

September 2021 - November 2021 | Client: Harju County | Role: Designer, Data Analyst
Helped organise a pilot for a direct, open feedback system for Tallinn's bus stops, and visualised the results.

The New Modal | SPIN Unit

July 2021 - March 2021 | Client: Harju Country | Role: Data Analyst
I analysed and processed data, worked with a GTFS feed, and developed mobility equity KPIs for Estonia's capital region.

The Situation Room | HKU Guild, Hong Kong University

June 2020 | The HKU Guild & The Hong Kong Ballet | Role: Designer
A collaboration between student-writers at HKU and dancers from the HK Ballet, given a digital home.

Key Visuals | HKU Guild, Hong Kong University

June 2020 | The HKU Guild | Role: Designer
Created various key visuals, largely 3D animations, to solidify the HKU Guild's on-campus presence.

MetaNAR | SPIN Unit

May 2019 | New media workshop in Narva, Estonia | Role: Co-Facilitator
Co-facilitated a workshop as part of the (Re)configuring Territories programme, giving participants tools — generative algorithms, and image-analysis and GIS software — for mapping Narva's digital spaces.

Art in Space | Side Project

September 2018 - January 2020 | Collaborator: Rheza Budiono
Experimented with ways of discovering new art, plotting a neural network's internal representations of artwork scraped from the MoMA using t-SNE and creating an interactive VR experience.

Articulyze | Side Project

June 2018 - June 2019

A website that aggregated long-form journalism about pressing humanitarian crises. Our naive algorithm would rank new articles about the world's most pressing humanitarian crises according to their similarity, loosely conceived, to ones that had won a Pulitzer Prize in International Reporting.

[Me]

Programming languages, libraries, and technologies: Python (GeoPandas, Pandas, PySAL, Matplotlib, SciPy), HTML, CSS, JS (React, D3, Mapbox GL), R (ggplot, spdep)

Tools: GeoDA, QGIS, InDesign, Illustrator, Photoshop, Rhino, Figma, Excel

Currently learning: NodeJS, and improving React and Figma knowledge

Interests: Community infrastructure | Social and civic technology | Governance patterns | Coordination mechanisms | Cities

Abridged list of people whose work has influenced me: Audrey Tang, Aldo van Eyck, Cedric Price, Georg Simmel, Manuel Castells, Marco Garrido, Sasha Costanza-Chock, Glen Weyl, Richard Sennett, Henry Jenkins, Yochai Benkler, EP Thompson

Joys: Biking | Video games | Basketball | Tennis | Music | Cooking