

# LACHLAN KERMODE

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BORN: 17 November 1994, Wellington, New Zealand  
LANGUAGES: English (mother tongue), Italian (4 years), Latin (5 years)  
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## EDUCATION

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05.2018 AB in COMPUTER SCIENCE, **Princeton University**.  
Coursework includes 5+ upper level seminars in critical theory, media theory and performance theory.  
Thesis: "Towards critical computing: a template for animated documentary," Advised: Arvind NARAYANAN  
GPA: 3.3/4.0

## PUBLICATIONS

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11.2019 Objects of violence: synthetic data for practical ML in human rights investigations.  
NEURIPS 2019, AI for Social Good Workshop, Producing Good Outcomes. (First author.)  
[https://lachlankermode.com/objectsofviolence\\_neurips\\_2019.pdf](https://lachlankermode.com/objectsofviolence_neurips_2019.pdf)

## INVESTIGATIONS AT FORENSIC ARCHITECTURE

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All investigations at [forensic-architecture.org](http://forensic-architecture.org).

22.02.2020	Uncanny Valley: Being human in the age of AI Upcoming exhibition at the De Young Museum, San Francisco.	<a href="#">/programme/events/uncanny-valley-being-human-in-the-age-of-ai</a>
19.08.2019	The Battle of Ilovaik	<a href="#">/investigation/the-battle-of-ilovaik</a>
15.05.2019	Using Timemap for Cartographic Platforms	<a href="#">/investigation/timemap-for-cartographic-platforms</a>
13.05.2019	Triple Chaser Exhibited in the Whitney Museum of Modern Art, New York.	<a href="#">/investigation/triple-chaser</a>
09.04.2019	The Killing of Zak Kostopoulos	<a href="#">/investigation/the-killing-of-zak-kostopoulos</a>
30.11.2018	Computer Vision in Triple Chaser	<a href="#">/investigation/cv-in-triple-chaser</a>
20.09.2018	The Destruction of Yazidi Heritage	<a href="#">/investigation/the-destruction-of-yazidi-cultural-heritage</a>
21.03.2018	The Grenfell Tower Fire	<a href="#">/investigation/the-grenfell-tower-fire</a>
26.07.2017	Destruction and Return in Al-Araqib Exhibited at the Tate Modern Turner Prize, London.	<a href="#">/investigation/destruction-and-return-in-al-araqib</a>

## LECTURES AND SEMINARS

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24.09.2019	AI and Human Rights	Sigrid Rausing Trust, London.
16.09.2019	Citizen Forensics workshop	School of Machines, Berlin.
31.08.2019	Spatial Research Practice Roundtable	Flaneur Festival at HKW, Berlin.
23.07.2019	Machine Learning in Forensic Investigations	United Nations / ATI - AI, Peace, and Security, London.
17.07.2019	Machine Learning and Synthetic Data	Goldsmiths University, London.
04.07.2019	On Algorithmic Vision	Birkbeck's Critical Theory Summer School, London.
19.06.2019	Computer Visions	Princeton-Weimar Summer School for Media Studies.
21.03.2019	Using Synthetic Data	ElementAI's AI for Social Good meetup, London.
10.10.2018	Machine Learning in Counter Forensics	Princeton University (co-taught seminar).
03.11.2018	Lessons in Counter Forensics: Interpretation	Turner Prize seminars at Tate Britain.

## AWARDS AND HONOURS

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09.2018	Top 5 (of 125+) 'Hive'	HACKZURICH 2018
09.2017	Top 25 (of 125+) 'Midnight Grain to Georgia'	HACKZURICH 2017
06.2017	Undergraduate Research Fellow	PIIRS, Berlin
2016-19	Advisory Board	Paideia Institute for Humanistic Study
12.2015	1st Place 'ClaireCutApp'	Burda Hackday, Munich
10.2015	Dropbox API Prize 'Stitch'	HackZurich 2015
09.2015	1st Place 'Pocketbadge'	Bic Lazio Talenttime Hackathon, Rome
10.2012	1st Place	Auckland University Latin Speaking Competition

## POSITIONS

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11.2019-03.2020	<b>Visiting Research Fellow</b> - <a href="#">UNIVERSITY OF AUCKLAND, DEPARTMENT OF ARCHITECTURE</a> <i>Auckland, New Zealand</i> Conceptualising and undertaking an investigation to recenter Muslim and Maori communities in New Zealand by documenting how a racialised figuration of 'the terrorist' persists in the wake of the Christchurch mosque shootings in March 2019. In partnership with Forensic Architecture.
01.2019-	<b>Full stack engineer</b> - <a href="#">MERANTIX</a> <i>Berlin, Germany [remote]</i> I develop tooling for deep learning workflows on a part time basis for Merantix ventures. Working mainly in Python and the Jupyter notebook stack, we aim <a href="https://www.overleaf.com/project/563a21fa2a2d7d4a123ba0ed">https://www.overleaf.com/project/563a21fa2a2d7d4a123ba0ed</a> to augment tooling in industry DL. Technologies include Kubernetes, GCP, Tensorflow, Jupyter notebooks, Svelte, Vue, and React.
06.2018-	<b>Researcher and software lead</b> - <a href="#">FORENSIC ARCHITECTURE</a> <i>London, UK</i> I direct engineering for several full stack platforms and machine learning workflows. I also sit on our data management committee for digital security, and offer expertise across investigations that are computer oriented. See <a href="https://forensic-architecture.org/subdomain/oss">forensic-architecture.org/subdomain/oss</a> for related publications, and <a href="https://github.com/forensic-architecture">github.com/forensic-architecture</a> for the open source softwares I maintain.
08.2016-03.2017	<b>CTO and co-founder</b> - <a href="#">DIRECT DRINKS</a> <i>Wellington, NZ [remote]</i> We provide a direct sales channels between large corporate suppliers and small resellers in the FMCG industry, disrupting a pipeline that is currently dominated by mid-tier redistributors. As CTO, I developed from scratch an end-to-end platform for web, mobile, and tablet.
06-08.2016	<b>Mobile developer</b> - <a href="#">INFLECTION</a> <i>San Francisco, USA</i> Developed an Objective C SDK for an OAuth2 verification flow, and prototyped two React Native applications. Contributions to Dockerized Rails backend.
04-06.2016	<b>Full stack developer</b> - <a href="#">ARTIRIGO</a> <i>Bamburg, Germany</i> React Native frontend for iOS and Android. In addition, Dockerized and contributions to Rails application. I worked intermittently for Artirigo remotely after returning to complete my degree at Princeton through 2018.
06.2015-02.2016	<b>Digital humanities fellow</b> - <a href="#">PAIDEIA INSTITUTE</a> <i>Rome, Italy</i> After an internship developing an iOS application in 2015, I became the inaugural Digital Humanities Fellowship, taking a year off from Princeton to head digital operations from the office in Rome. I learned Italian, renovated Paideia's website, wrote web crawlers for research and development, developed two iOS applications, and improved internal operations at the institute with Google Scripts, Python, and general technical suggestions. Since the fellowship concluded, I have sat on the institute's advisory board.
06-08.2014	<b>R&amp;D intern</b> - <a href="#">DENTBOARD</a> <i>Princeton, USA</i> Offered an internship while handing out resumes for a friend, I spent a summer researching and developing a website with R&D resources for the startup.
07-08.2015	<b>Residential assistant</b> - <a href="#">CENTER FOR TALENTED YOUTH</a> <i>Santa Cruz, California</i> Six weeks in charge of 11 and 12 year olds at an academic summer camp. As RA, my duties included organising and running after-class activities, as well as larger events such as a talent show.
06-08.2014	<b>Library Assistant</b> - <a href="#">MARQUAND LIBRARY</a> <i>Princeton, USA</i> Sorting collections, stacking books, working at the desk.