

Cameron L Ballard

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Education

New York University Tandon

PhD Candidate, Computer Science, GPA: 3.95

2019-Present

- Dean's Fellowship Award recipient.

New York University Shanghai

BS with Honors, Computer Science, GPA: 3.54

2013-2017

- Teaching assistant, Data Structures course, 2017.
- 2016 Dean's Undergraduate Research Fund recipient.
- Debate team captain for the Collective Voice political activism club, 2013-2015.
Taught and organized debates. Assisted in mediation of group discussions.

East China Normal University

Standard Chinese Program 2017-2018

Recent Employment

Telepresence Research Associate – NYU Shanghai IMA dpt. (Spring 2018 – present)

Shanghai, China

- Primary developer for 3D telecommunication system project led by Michael Naimark. Worked with four others to integrate code and physical for capture and display.
- Designed, built, and maintained top-of-the-line graphics computer for use with display.
- Assisting in mentorship and teaching for the 2019 Computer Science senior capstones.

Visiting Researcher - NYU Shanghai CSE dept. (Summer 2017 – Summer 2018)

Shanghai, China

- Assisted professors Olivier Marin and Romain Corcolle with their research into ferroelectric polycrystals. Responsible for optimization and distribution of a physics simulation.
 - Concurrent with Chinese language program at ECNU
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Relevant Projects and Skills

Published Research

- Minhui Xue, Cameron Ballard, Kelvin Liu, Carson Nemelka, Yanqiu Wu, Keith Ross, and Haifeng Qian. 2016. You Can Yak but You Can't Hide: Localizing Anonymous Social Network Users. In *Proceedings of the 2016 Internet Measurement Conference (IMC '16)*. ACM, New York, NY, USA, 25-31.
<https://dl.acm.org/citation.cfm?id=2987449>
 - Used emulators to automate multiple android devices and spoof location data in order to track users on Yik-Yak.

Accepted and Awaiting Publication

- Maxwell Aliapoulos, Cameron Ballard, Rasika Bhalero, Tobias Lauinger, Damon McCoy. Swiped: Analyzing Ground-truth Data of a Marketplace for Stolen Debit and Credit Cards. *Usenix Security Symposium* (TBD).
 - Analyzed backend data of a stolen credit card shop to understand economics of the marketplace.

Past and Current Personal Projects

- Received a 2016 Dean's Undergraduate Research Fund grant to examine the use of Twitter in the 2016 US election.
 - Collected, annotated, and analyzed tweets from top candidates in the election.
- Set up and maintained an encrypted proxy server implementing Shadowsocks to allow uncensored Internet access for myself and a small group of colleagues.

Other Content

- "Liu Cixin's Cosmic Sociology Brings Optimism to Chinese Sci-Fi."
RadiiChina.
<https://radiichina.com/liu-cixins-cosmic-sociology-brings-optimism-to-chinese-sci-fi/>

Languages

- Native English speaker.
- Proficient in written and spoken Mandarin.

Programming Languages

- Proficient in python, R, java, C, C++, scala, spark, and html/javascript.
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