Arun Dunna

Software Engineer
PhD Student (on leave)

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https://adunna.me

Education

University of Massachusetts Amherst	Amherst, MA
Ph.D. Computer Science	*Sep. 2019 – TBD*
University of Massachusetts Amherst	Amherst, MA
M.S. Computer Science	*May 2018 – Dec. 2020*
University of Massachusetts Amherst	Amherst, MA
B.S. Computer Science, Minor: Mathematics	*Aug. 2016 – May 2018*

Experience

Yext, Inc.	Washington, D.C.
Software Engineer	*Jan. 2021 – Current*
Facebook, Inc.	Washington, D.C. (Remote)
Security Engineering Intern	*May 2020 – Aug. 2020*
IIJ Innovation Institute Research Lab	Tokyo, JP
Research Intern	*Jun. 2019 – Aug. 2019*
University of Massachusetts Amherst	Amherst, MA
Research Assistant	*May 2017 – Jan. 2021*

Publications

1. **Sanitizing a View of Consumer Broadband in the United States** *TMA, Jun. 2020*
2. **Characterizing the Deployment and Performance of Multi-CDNs** *ACM IMC, Oct. 2018*
3. **Analyzing China's Blocking of Unpublished Tor Bridges** *USENIX FOCI, Aug. 2018*

Skills

- **Languages:** C++, CSS, HTML, Java, JavaScript, LaTeX, Lua, PHP, Python, R, Rust, SQL, Zeek
- **Platforms:** Android, Unix & Unix-like, Web, Windows
- **Specializations:** Censorship systems, cryptography, cybersecurity, Internet policy, Internet measurement, machine learning, machine learning pipelines, networks, Unix & Unix-like systems
- **Technologies:** git, Mercurial, MySQL, numpy, OpenCV, PyTorch, React, sklearn, spaCy, scipy

Projects

- **OverStat**, overstat.us *Dec. 2020 – Current*
- **Text-Audio Synchronization Engine**, github.com/adunna/tase *Sep. 2018 – Feb. 2019*
- **sCTF**, sctf.io *Dec. 2014 – Jan. 2018*

Awards

- **Best Open Dataset Award**, *Network TMA Conference* *Jun. 2020*
- **ACM SIGCOMM/IMC Shadow TPC Travel Grant**, *ACM* *Jul. 2018*
- **Bay State Master's Program Scholarship**, *UMass Amherst* *May 2018 – May 2019*
- **NSF Research Experience for Undergraduates**, *NSF* *May 2017 – Sep. 2017*
- **MITRE Award**, *HackUMass and MITRE* *Oct. 2016*
- **Chancellor's Award Scholarship**, *UMass Amherst* *Sep. 2016 – May 2018*