

EDUCATION:

- **Masters of Engineering in Computer Science @ Cornell University** Aug '17 – May '18
College of Engineering, Ithaca, NY (GPA: 3.98)
- **Bachelors of Arts in Computer Science @ Cornell University** College of Arts & Sciences, Ithaca, NY (GPA: 3.67, Graduated with Honors, Minor in English). Honors Thesis on "[How Technology Undermined and Clarified Privacy: Camera to Internet.](#)" Aug '13 – May '17

RELEVANT COURSEWORK:

ML, NLP, Computer Vision, iOS Development, Rapid Prototyping, System Security, Structure of Information Networks, Technology Law Colloquium, Language and Information Extraction, Algorithms, Data Structures, Software Engineering, Surveillance and Privacy, Data-Driven Web Applications, World Literature, Non-Fiction Writing, Science Fiction

EXPERIENCE:

- **Computational Research Fellow | Tow Center for Digital Journalism | Columbia University, New York, NY** Oct '18 – Present
- Build vision technologies for journalists supported by Machine Learning and Computer Vision
- Aid with data-driven research for my own and others' data and OSINT stories
- **Data Journalism Intern | Special Projects Desk, Gizmodo | New York, NY** Jul '18 – Oct '18
- Researched and wrote articles, particularly those that require data analysis
- **Teaching Assistant | Cornell Computer Science Dept. | Ithaca, NY** Aug '17 – May '18
- For Rapid Prototyping advised 6 student projects including an automatic Wire Bender
- For Language and Information advised 2 student projects regarding Information Extraction
- **Machine Learning Strategist | Comake | Ithaca, NY** May '17 – Oct '17
- Conceptualized Machine Learning algorithm for Comake's file management software
- **Software Development Intern | Amazon Web Services | Seattle, WA** May '16 – Aug '16
- Wrote a full stack application to automate AWS Config Rules. Received return offer

PROJECTS (for more details on my projects and writing see ishaanjhaveri.com):

- **VizPol: Real Time Symbol Recognition for Field Reporting and Image Tagging:** Designed and built an iOS, Android and Web App which uses Machine Learning and Computer Vision to recognize political symbols, particularly extremist symbols from uploaded photos in real-time. Published 2 academic papers about this project. Apr '19 – Present
- **cat's cradle:** Helped artists Lilla LoCurto and Bill Outcault with a kinetic sculpture as part of an exhibition at the Neuberger Museum in Purchase, NY. Worked on the sculpture's hardware and Computer Vision algorithm that directs its interactions with people. Aug '18 – Mar '19
- **Referring Expression Generation (REG):** Worked on improving existing Referring Expression Generation architectures using a semantically aware objective function Sep '17 – May '18
- **Conversation AI for Alexa Challenge:** Designed an Alexa chatbot to allow for conversational interactions akin to the Turing Test. Our bot model utilized information retrieval, and long short-term memory networks (LSTMs). Aug '16 – Oct '16
- **GraffitiBot:** Built a wall-mounted robot that can draw any input line image onto a wall, magnified. Aug '16 – Dec '16
- **DAVE:** Secure note keeping application for journalists in areas where digital privacy might be compromised Jan '18 – May '18
- **Opinion Leadership on Facebook:** Identifying influential Facebook users in the UK surrounding Brexit vote using a network theoretic model Mar '18 – May '18

SKILLS and JOURNALISTIC PUBLICATIONS:

Technical Skills: Python • React/React Native • Java • C • OCaml • Swift • PyTorch • Ruby on Rails • HTML • CSS • Javascript • D3 • Lua • Django • Flask • Angular • Agile Development • UML Diagrams • Data Science • SQL • MS Office • AutoDesk Inventor • AutoDesk Fusion 360 • R • SAS • PyMongo • iMovie • Adobe Premiere Pro • MongoDB • R • Processing

Journalistic Publications: [What We Saw at the Capitol Hill Insurrection](#) (in VICE) • [The Rise of the Thin Blue Line at Trump Rallies](#) (published by the Tow Center) • [Political Symbols at Demonstrations](#) (in Columbia Journalism Review) • see ishaanjhaveri.com for full list

Languages: English (native) • Hindi (proficient) • Marathi (passable) • Gujarati (passable)