ISHAAN A. JHAVERI

411 College Ave, Ithaca, NY 14850 | iaj8@cornell.edu |
(347) 453-4224 | www.linkedin.com/iajhaveri | ishaanjhaveri.com

EDUCATION:

- **Masters of Engineering in Computer Science @ Cornell University** — Aug '17 – May '18
College of Engineering, Ithaca, NY (GPA: 4.067)
- **Bachelors of Arts in Computer Science @ Cornell University** College of Arts & Sciences, Ithaca, NY (GPA: 3.67, Graduated with Honors, Minor in English). Link to 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:

- **Teaching Assistant | Cornell Computer Science Dept. | Ithaca, NY** — Aug '17 – Present
  - 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
  - The software can handle millions of files

- **Software Development Intern | Amazon Web Services | Seattle, WA** — May '16 – Aug '16
  - Wrote a full stack application to automate the creation of AWS Config Rules
  - Received return offer

PROJECTS (for more details on my projects see ishaanjhaveri.com/work):

- **Referring Expression Generation (REG):** REG is a NLP/CV problem involving mapping visual objects to textual meaning. Currently working on improving the state of the art REG system by replacing the regular Cross Entropy objective function with an objective function that places greater emphasis on the semantic meaning of the text being compared. Advised by Kilian Weinberger and Yoav Artzi. Submitting to NIPS in May. — Sep '17 – Present

- **Conversation AI for Alexa Challenge:** Designed a chatbot to be entered into a Turing Test-style conversational challenge. Used information retrieval techniques to encode "General Knowledge" into bot and long short-term memory networks (LSTMs) to encode contextual awareness. See paper here. — Aug '16 – Oct '16

- **GraffitiBot:** Built a wall-mounted robot that can draw any input line image onto a wall, magnified. Robot is comprised of 2 stepper motors and a servo controlled drawing head. Controlled by Arduino Microcontroller. Images input as SVG files via network port. — Aug '16 – Dec '16

- **Opinion Leadership on Facebook:** Analyzing comment conversations on Facebook posts from 16 different UK political parties to understand whether particular Facebook users or groups had high influence on other users' opinions on how to vote in the Brexit vote. — Mar '18 – Present

- **DAVE:** Building a secure note keeping application for journalists in oppressive regions. Application can only be accessed via a secret secure proxy (implemented as a VPN). All traffic to and from system uses SSL. Proxy protects against DDOS Attacks. Sophisticated logging capabilities prevent most attempts at information manipulation. — Jan '18 – Present

SKILLS AND INTERESTS:

Programming Languages: Python • Java • C • OCaml • Swift • PyTorch • Ruby on Rails • HTML • CSS • Javascript • D3 • Lua
Frameworks: Django • Flask • Angular
Data Science Tools: SQL • MongoDB • R • SAS
Technology Journalism: Podcasts on Cybersecurity • Senior Thesis (see above) • Research on Legal Frameworks for Technology Law • Critical Analysis of "An App to Save Syria's Lost Generation" • Analysis of Cookie use for Web Tracking • for more details see ishaanjhaveri.com/writing.
Languages: Hindi • Marathi • Gujarati