Ashwin Ramaswami

Current work

Cybersecurity and Infrastructure Security Agency (CISA)
Election Security Initiative (June 2020 – Present)
Managed a pilot of Crossfeed, used for securing public-facing election infrastructure in advance of the 2020 general election. Architected and implemented the system, which runs scans to detect vulnerabilities, using a open-source and distributed architecture with AWS Fargate, AWS Lambda, and Elasticsearch.

Stanford Internet Observatory
Research Assistant (April 2020 – Present)
Architected and implemented web scraping technologies and infrastructure to support disinformation research at the Observatory. Built pipelines using Apache Beam, BigQuery, Twitter, and Google Cloud Platform.

Technical experience

Google
Software Engineering Intern (June 2019 – Sep 2019)
Worked with the Search UI Optimization team to develop a system to detect regressions in latency metrics on the Google search results page. Also worked on interactive dashboards using Go.

The Stanford Daily
Chief Technical Officer (June 2018 – June 2020)
As the first CTO of the Stanford Daily, I established a team to work on software engineering and set up training and development processes for the website and mobile app, using WordPress, React, and React Native.

Anora
Engineering Lead
(Nov 2017 – June 2019)
Architected and developed a full-stack web application and data pipeline to retrieve FDA data and display it in a search engine. Led a team of outsourced engineers to help develop the product. Used AWS Lambda, AWS CloudSearch, React.

Stanford Immigration and Policy Lab
Research Assistant (Jan 2018 – September 2019)
Implemented a web interface that uses machine learning to help Swiss and US agencies with refugee resettlement. Uses AWS EC2, Django, R.

Policy

Center for International Security and Cooperation
Oct 2019 – March 2020
As a research assistant to Dr. Colin Kahl, I researched advances in AI and its effects on strategic stability (nuclear deterrence, situational awareness).

Stanford Law School Law and Policy Lab
Fall 2019 – May 2020
Worked within a Policy Practicum to survey and analyze signature verification practices in California counties for mail-in ballots. Published a report, available at: *Signature Verification and Mail Ballots: Guaranteeing Access While Preserving Integrity*

Stanford Law School Law and Policy Lab
Spring 2019
Worked in a Policy Practicum to develop recommendations for Facebook's content oversight board. Our report: *Recommendations for the Facebook Content Review Board*

Education

Stanford University
B.S. Computer Science (2017 – 2021)

Contact

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