

Shruti Das

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[shrutidas.github.io](https://github.com/shrutidas)

Education

University of Maryland, College Park
Bachelor of Science, Computer Engineering
Expected May 2021, GPA: 3.5

SAMVED Conservatory of Indian Classical Dance
Bachelor of Arts, Kathak Dance
Apr 2008 – May 2016

Skills

Languages: Java, HTML5, CSS3, Swift, MATLAB
Tools: MATLAB, Adobe Creative Suite, Final Cut Pro, Sketch, Figma

Activities & Societies

Science Diplomacy Fellow Aug 2020 – present
Global Fellows in Washington DC
Selected for a year-long fellowship exploring the foreign science and technology policy nexus

Venture Partner Feb 2020 – present
Contrary Capital
Source, evaluate, and invest up to \$500K in top startups across US universities

Lab Teaching Assistant Jan 2020 – present
Department of Electrical & Computer Engineering
Develop lesson plans & lead two 2-hour labs per week for first-year students; introducing key concepts in circuit theory, communications and controls, & signal processing

Tour Guide & Ambassador Apr 2019 – present
A. James Clark School of Engineering
Host campus tours, information sessions, and open houses for prospective & incoming students and families

Marketing Director May 2018 – May 2019
Bitcamp Inc.
Led social media expansion and video production to improve retention rates for largest East coast hackathon

Chapter Founder & President Dec 2017 – Jan 2020
PERIOD. @ UMD
Advocated for menstrual equity & allocated funds to initiate free menstrual product program on campus

Experience

● **Research Assistant** Aug 2020 – present
Human Computer Interaction Lab – U of Maryland

- Collaborating on technical HCI projects covering design, fabrication, and human-robot interactions

● **Software Engineering Intern** May 2020 – Aug 2020
Apple Inc. – (Virtual) San Francisco Bay Area

- Developed iOS features for the Mobile Apps team
- Worked with Swift frameworks & NFC tag technology

● **Research Assistant** Jan 2020 – present
Security, Privacy, & People Lab – U of Maryland

- Assessing mental models surrounding end-to-end encryption in apps such as iMessage, Facebook Messenger, and Whatsapp

● **Co-Executive Director** Dec 2018 – Dec 2019
Technica – DC Metropolitan Area

- Oversaw operations for world's largest all-women & nonbinary hackathon hosting ~1000 students annually
- Responsible for securing funds, recruiting sponsors, managing designs, supervising cross-event logistics

● **Platform Engineering Intern** Jun 2019 – Aug 2019
Bank of America – New York City

- Built an internal full-stack health monitoring application for cloud's microservices (Spring, Mongo)
- Improved overall process for developers to resolve cloud provisioning bugs 20% faster

● **Systems Engineering Intern** May 2018 – Aug 2018
Wireless Information Network Laboratory – Rutgers

- Developed end-to-end embedded IoT frameworks persisting real-time sensor data
- Tested machine learning models to improve home automation & detect wireless attacks on systems

● **Research Fellow** Jan 2018 – May 2018
Department of Resource Economics – U of Maryland

- Debugged R scripts to analyze wind power market volatilities from US ERCOT region
- Further advanced research methods to focus on sustainable solutions for equitable economic growth