Shruti Das

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shrutidas.github.io

Education

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

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

Skills

Languages: Java, HTML5, CSS3, Swift, Arduino
Tools: MATLAB, Adobe Creative Suite, PCB Kicad,
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 - Dec 2020
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

S&T Policy Research Intern   Jan 2021 - present
Potomac Institute — DC Metropolitan Area
- Exploring cryptographic protocols needed to
  support secure and transparent online elections
- Advising and bridging technical knowledge between
  US policymakers and the general public

Research Assistant   Jan 2020 - present
Security, Privacy, & People Lab — U of Maryland
- Assessing privacy models surrounding end-to-end
  encryption in messaging apps (iMessage, FB, etc.)
- Investigating security-relevant decisions & creating
  tools to empower better HCI decisions

Software Engineering Intern   May 2020 - Aug 2020
Apple Inc. — (Virtual) San Francisco Bay Area
- Developed iOS features for the Mobile Apps team
- Applied Swift frameworks with NFC tag technology

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