Nishant Sinha

Citizenship: United State of America

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EDUCATION

Georgia State University, *Honors Program***,** Atlanta, Georgia   May 2016 – May 2020
- Bachelor of Science in Computer Science
- **GPA**: 3.58/4.00
- **Honors**: Presidential Scholarship, Zell Miller Scholarship, GSU Honors Program, Student research travel grant

PROGRAMMING LANGUAGES & SOFTWARE

- **Languages**: JavaScript/TypeScript, Bash, Java, Python 3, Ruby, C, Kotlin, Dart, Elixir, R
- **Technologies**: Linux, Git, Vim, Android, architecture, LaTeX, technical writing

EXPERIENCE

Global Site Reliability Engineer – *NCR***,** Atlanta, GA   Jun 2020 – Aug 2020
- Worked on the NCR Global SRE team to add 40+ Chef Kitchen integration tests in Ruby to the team's custom Terraform module.
- Created testing best-practices and techniques for the Global SRE team.

Lead developer – *Observe,* Atlanta, GA   Mar 2019 – Apr 2020
- Designed and wrote software for real-time video and Q&A with an Elixir backend and a Flutter frontend.
- Lead a team of 3 software engineers to develop and publish the application on the Google Play Store.
- Completed the Georgia State University Seed Fund accelerator program.

Software Engineer – *The Home Depot (OrangeWorks),* Atlanta, GA   Jan 2018 – Dec 2018
- Researching and implemented a computer vision application to measure objects in an image or series of images.
- Design and implement an Android application to detect the sizes of objects based only on visual cues.

Fintech Consultant – *Z/Yen Group,* London, England   May 2018 – Aug 2018
- Solved financial and technological challenges facing the world's largest financial sector.
- Established the Commonwealth Commission on Smart Ledgers & Trade, a commission investigating the potential of smart ledgers in facilitating trade between the 53 Member States of the Commonwealth.
- Performed market research for the world's leading financial centres index: GFCI 25, 26.
- Facilitated financial investment discussions for the October 2018 IPO of ChainZy.

NOTABLE CLASSES

- Deep Learning   Spring 2018
- Masters level Software Security, Masters level Parallel and Distributed Computing   Fall 2018
- Operating Systems, Programming Language Concepts, Software Engineering   Spring 2017
- Machine Learning, Computer Information System, Information Security   Fall 2017

AWARDS

NCR: Best Consumer Banking, Restaurant, or Shopping Solution – *HackGSU,* Atlanta, GA   Nov 2019
- Presented PharmaFly, a drone delivery service for the elderly, ill, and disabled.
- https://devpost.com/software/pharmafly

Second Place Poster (International) – *MobiCom 2019***,** Los Cabos, Mexico   Oct 2019
- Demonstrated improvements to existing water-quality monitoring techniques by leveraging deep learning and UV-spectrophotometry imagery to monitor turbulent water in-situ.
- Trained tensorflow model weights to accurately detect common water-transportation contaminants with 87% accuracy with only 5 video training examples.

Panthers in the Valley – *J. Mack Robinson College of Business*, Atlanta, GA   Fall 2017
- Robinson College's signature program introducing students to Silicon Valley opportunities.
- Met with early stage start-ups, venture capitalists and large tech companies across the Bay area.

Presidential Scholarship — *Georgia State University*, Atlanta, GA   Aug 2016 – May 2020
- A four-year scholarship awarded to the 10 students of the incoming class for consistent superior academic achievement, commitment to service, and inspiring personal qualities.

UNIVERSITY ORGANIZATIONS

President, Computer Science Club – *Georgia State University*, Atlanta, GA   May 2019 – Sep 2020

- Grew organization from 300 to 450 members.
- Design and run workshops focusing on new areas of computer science research.
- Invite speakers to present research and to engage undergraduate students.

1913 Ambassador Society – *Georgia State University*, Atlanta, GA   May 2017 – May 2020
- Act as an ambassador to the President of Georgia State University.
- Help run university-wide events and work as a steward for high-profile private events for the University President.

President, SolveForX – *PantherHackers,* Atlanta, GA   Sep 2017 – Dec 2018
- Designed and presented weekly lectures specializing in computer science algorithms and coding interview problems and techniques.
- Worked with computer science department graduate students to improve their lecture material and presentations.

VP of External Affairs, Executive Board – *PantherHackers,* Atlanta, GA   Jan 2017 – Apr 2017
- Grew PantherHackers from 2 to 12 partner organizations and from 100 to 400+ members.
- Partnered and communicated with potential partners organizations.
- Directed organization events at a high-level and developed frameworks for running and expanding the organization.

PUBLICATIONS & PUBLIC SPEAKING

- "Uni-Modal Sensing using Embedded Weight Sensors for Fully-Autonomous Store Checkout." 21-22 Apr. 2020. Competition. CPS-IoT Week 2020. Sydney, Australia.
- "In-situ Water-Quality Monitoring System through Ultraviolet Sensing using off-the-shelf Cameras." 21-25 Oct. 2019. Poster presentation. MobiCom 2019. Los Cabos, Mexico.
- "In-Situ Mobile Water Quality Monitoring System using Off-the Shelf Camera based Ultraviolet Spectrophotometry." 20 Apr. 2018. Oral presentation, Sustainability. Georgia State University.
- Georgia State University Presidential Scholarship Promotional Video. Jun. 2019. Video. Georgia State University Public Relations.
- "GeoTono—a Universal GeoGnomo Encoding." 9 Aug. 2018. *Medium*. Z/Yen Group.
- "Where in the World is 'Carbon.Sandy.Egos'?." 2 Aug. 2018. *Medium*. Z/Yen Group.
- "Smart Signalling for Bicycles using User Riding Behavior." 4 Nov. 2017. Poster. *Georgia State University*, Natural and Computation Sciences.
- Georgia State University President's Society Dinner. Featured speaker. 2017.
- Georgia State University Scholarship Day. Featured speaker, Welcome Session. 2016.

INTERESTS

Hiking, mountain biking, acoustic guitar, carpentry,