SOHAN CHOUDHURY

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EDUCATION

Georgia Institute of Technology — Aug 2017 – May 2021
- B.S. in Computer Science, Concentrations: Intelligence & People — *GPA: 4.00 / 4.00*
- Stamps Presidential Scholar (top 1% of incoming class), Honors Program
- **Awards:** 1st place algorithm at Correlation One Terminal Hackathon, 2nd speaker at 2018 GPDA State Championship

Coursera Deep Learning Specialization – 5 deeplearning.ai courses by Andrew Ng — **May 2018 – Jul 2018**

WORK EXPERIENCE

VeriResume — **Jun 2018 – Present**
Co-Founder — *Atlanta, GA*
- Developing an online platform to allow applicants to verify resumes via document upload and manager email feedback
- Accepted into Idea 2 Prototype and created website, veriresume.co, to drive newsletter and gain feedback from recruiters

Everbridge — **May 2018 – Aug 2018**
Software Development Intern — *Burlington, MA*
- Coded and deployed improvements in Go to the Notification Engine Dashboard, an internal database monitoring tool
- Optimized ELK and MongoDB queries to reduce loading delay from 42 to 5 seconds on 1,500 most recent broadcasts
- Added CSV output often used by upper management in incident troubleshooting and reporting on production databases

Yale University — **Jun 2016 – Sep 2016**
Research Intern | Hematology — *New Haven, CT*
- Developed 2 Python programs to parse GTF and FASTA files in order to locate mutations in leukemia-linked gene SF3B1
- Analyzed patient genomes and identified novel cryptic splice sites to aide computational efforts of research group
- Evaluated needs of chief bioinformatician, added statistical analysis, presented progress during weekly lab meetings

PERSONAL PROJECTS

Terminal by Correlation One *(1st place at Georgia Tech Hackathon)* — **Sep 2018**
- Won the $750 top prize by creating an adaptive algorithm to beat over 230 competitors in a bracket-style tournament
- Individually developed Python program utilizing provided API to automate play of Terminal, a custom tower defense game

Daycare Face Recognition — **Aug 2018**
- Created a real-time 1:6 face recognition system for My Second Home, a local home daycare business, made video demo
- Utilized Google's FaceNet model, OpenCV in Python, IP security camera, and a Bluetooth speaker to notify employees and kids of specific parents at entrance, achieved 96% accuracy with average response time of just 523 milliseconds

Citadel Data Open — **Jul 2018**
- Competed in the East Coast Summer Invitational in a team of 4 to analyze 2017 aviation data and submit a 9-page report
- Detailed creation of a metric for assessing interconnectivity of airlines, led initiative to create schemas of 2 predictive models

LEADERSHIP

Georgia Tech Debate Team *(2nd speaker at 2018 GPDA State Championship)* — **Aug 2017 – Present**
Vice President of Membership
- Mentored new members to develop public speaking skillset and familiarity with parliamentary and public forum formats
- 8th team at 2018 Georgia Parliamentary Debate Association State Championship, competitor with over 5 years' experience

Medium Blog — **Jul 2018 – Present**
Contributing Writer | Towards Data Science
- Wrote tech-focused posts based on experiences, viewed by over 11,600 readers, 2 articles published in *Towards Data Science*
- Recognized for MOOC review via personal email and public share on Twitter by Andrew Ng, also tweeted by Coursera

Northeast Science Bowl — **Sep 2014 – Present**
Founder, President, Adult Mentor
- Led 48 club members, held weekly practices, and selected 15 individuals to compete in 3 teams in annual tri-state tournament
- Founded to meet need of STEM opportunities, doubled membership, secured funding from the Fairfield Board of Education

SKILLS

Languages:	**Programming:** Python, Java, Go	**Databases:** MongoDB, Elasticsearch	**Web:** HTML, CSS
Frameworks & Tools:	GIT, Jupyter Notebooks, Kibana, Studio 3T, OpenCV, TensorFlow, Keras, Adobe Photoshop
Relevant Coursework:	Machine Learning, Data Structures & Algorithms, Object-oriented Programming, Honors Discrete Math