# SOHAN CHOUDHURY

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## Education

**Georgia Institute of Technology**                                          **Atlanta, GA**
- B.S. in Computer Science (Intelligence & People), Honors Program          *Aug 2017 – May 2021*
- GPA: 4.00
- Stamps Presidential Scholar, top 1% of incoming freshman class
- Relevant Coursework: Machine Learning, Data Structures & Algorithms, Object-oriented Programming, Discrete Math, Multivariable Calculus, Linear Algebra, Global Issues & Leadership

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

## Experience

**VeriResume**                                                               **Atlanta, GA**
*Co-Founder*                                                                 *June 2018 – Present*
- Creating online tools to add verification to resumes via document upload and automated email referrals
- Developed website (veriresume.co) and newsletter, currently gaining feedback from recruiters

**Everbridge**                                                               **Burlington, MA**
*Software Development Intern* | Architecture                                 *May 2018 – Aug 2018*
- Made improvements in Go to the Notification Engine Dashboard, an internal database monitoring tool
- Optimized ELK and Mongo queries to reduce delay from 42 to 5 seconds on last 1,500 broadcasts
- Created optional CSV output used by upper management in incident troubleshooting and reporting

**Yale University**                                                          **New Haven, CT**
*Research Intern* | Hematology                                               *June 2016 – Sept 2016*
- Developed 2 Python programs to analyze cryptic alternative splicing linked to mutated SF3B1 gene
- Identified and documented novel splice sites in patient genomes to aide efforts of research group
- Evaluated needs of chief bioinformatician, presented progress during weekly meetings

## Projects

**Daycare Face Recognition**                                                 *Aug 2018*
- Created a real time 1:6 face recognition system for My Second Home, a local home daycare business
- Utilized FaceNet model, OpenCV, IP security camera, and wireless speaker to notify employees of specific visitor at entrance, achieved 96% accuracy with average response time of 523 milliseconds

**Citadel Data Open**                                                        *July 2018*
- Competed in the East Coast Summer Invitational in a team of 4 to analyze 2017 aviation industry data
- Submitted a 9 page report detailing creation of a metric for assessing domestic interconnectivity of airlines

## Leadership

**Medium Blog**                                                              *July 2018 – Present*
- Wrote tech-focused posts viewed by over 10,900 readers, 2 articles published in *Towards Data Science*
- Recognized via personal email and publicly shared on Twitter by Andrew Ng, tweeted by Coursera

**Georgia Tech Debate Team**                                                 *Aug 2017 – Present*
- 2nd place speaker and 8th place team at 2018 GPDA State Championship
- Varsity competitor, 5+ years' experience in Parliamentary and Public Forum

## Skills

**Programming:**     Fluent: Python, Java, Go | Proficient: MongoDB, Elasticsearch | Web: HTML, CSS
**Languages:**       Native: English, Bengali | Intermediate: Hindi, French
**Software:**        GIT, Jupyter Notebooks, Kibana, Studio 3T, TensorFlow, Keras, Adobe Photoshop