

# SOHAN CHOUDHURY

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## EDUCATION

### Georgia Institute of Technology

Aug 2017 - Dec 2020

- B.S. in Computer Science, Concentrations: Intelligence & People
- Stamps Presidential Scholar (top 1% of incoming class), Honors Program
- Awards: 1<sup>st</sup> place algorithm at Correlation One Terminal Hackathon, 2<sup>nd</sup> speaker at 2018 GPDA State Championship

GPA: 3.93 / 4.00

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](http://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 (1<sup>st</sup> 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

### Data Science @ Georgia Tech

Jan 2019 - Present

Project Manager | Distance Teaching Mobile Learning (DTML) Recommendation Engine

- Led a team of 7 to create a recommendation engine for an education non-profit to help language learners via online games
- Met with DTML engineers to determine project specifications and ensure scalability, aiming to integrate into Game Service API

### Georgia Tech Debate Team (2<sup>nd</sup> 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
- 8<sup>th</sup> 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 14,500 readers, 3 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

## 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:

ML, AI, Data Structures & Algorithms, Honors Discrete Math, Honors Algorithms, Global Issues & Leadership