

# SOHAN CHOUDHURY

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## EDUCATION

### Georgia Institute of Technology

**Aug 2017 - May 2021**

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

GPA: 4.00

**Coursera Deep Learning Specialization** - 5 deeplearning.ai courses by Andrew Ng

**May 2018 - Jul 2018**

## EXPERIENCE

### VeriResume

**Jun 2018 - Present**

*Co-Founder*

*Atlanta, GA*

- Developing online platform to allow applicants to verify resumes via document upload and manager email feedback
- Accepted into Idea 2 Prototype, 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 Elasticsearch and MongoDB queries to reduce delay from 42 to 5 seconds on 1,500 most recent client 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

## PROJECTS

### Terminal by Correlation One (1<sup>st</sup> at Georgia Tech Competition)

**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 FaceNet model, OpenCV, IP security camera, and wireless speaker to notify employees 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

## ACTIVITIES

### Georgia Tech Debate Team (2<sup>nd</sup> speaker at 2018 GPDA State Championship)

**Aug 2017 - Present**

*Vice President of Membership, Varsity Competitor*

- 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, The Startup*

- 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, 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 Fairfield Board of Education

## SKILLS

**Languages:** Programming: Python, Java, Go | **Database:** MongoDB, Elasticsearch | **Web:** HTML, CSS

**Software:** GIT, Jupyter Notebooks, Kibana, Studio 3T, TensorFlow, Keras, Adobe Photoshop

**Interests:** Public Speaking, Writing, Outdoor Recreation GT, Watches, Guacamole