

SOHAN CHOUDHURY

sc@gatech.edu | sohanchoudhury.com | medium.com/@sohanchoudhury | github.com/sohanchoudhury | 203-418-1253 | US Citizen

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: 1st place algorithm at Correlation One Terminal Hackathon, 2nd 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, 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

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 (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

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