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 - May 2021**
- B.S. in Computer Science, Concentrations: Intelligence & Information Internetworks   *GPA: 3.88 / 4.00*
- Stamps Presidential Scholar (top 1% of class), Honors Program
- **Awards / Recognition:** 1st place algorithm at Correlation One Terminal Hackathon, 2nd place speaker at 2018 GPDA State Championship, Fellow at 2019 D. E. Shaw Nexus Fellowship, Delegate at 2019 Business Today International Conference, Competitor at 2018 Citadel East Coast Summer Invitational Data Open

WORK EXPERIENCE

Amazon   **May 2019 – Aug 2019**
Software Development Engineer Intern | Amazon Fresh   *Seattle, WA*
- Designed architecture, implemented "Customers who viewed this item also viewed" widget for Whole Foods grocery items
- Utilized SQL and Python for data analysis, Java and Spring for backend changes, as well as internal recommendation services
- Worked with QA team to test and push code to production regularly, launched feature in advance of Prime Day 2019

VeriResume   **Jun 2018 – Present**
Co-Founder   *Atlanta, GA*
- Developing an online platform to allow applicants to verify resumes via document upload and manager email referrals
- 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**
Computational 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 new cryptic splice sites to help direct computational efforts of research group
- Worked with chief bioinformatician to add statistical analysis, presented progress during weekly lab meetings

LEADERSHIP

Data Science @ Georgia Tech   **Jan 2019 – Present**
Director of Projects
- Defining deliverables and overall vision for all projects by working with team leads, executive board, and community partners
- Led a team of 7 to create a recommendation engine for an education non-profit to help language learners via online games

Georgia Tech Debate Team *(2nd place speaker at 2018 GPDA State Championship)*   **Aug 2017 – Present**
Executive Vice President
- Mentored new members to develop public speaking skillset and familiarity with parliamentary and public forum formats
- 5th place team at 2019 Atlantic Coast Conference National Championship, competitor with over 6 years' experience

Medium Blog   **Jul 2018 – Present**
Contributing Writer | Towards Data Science
- Wrote tech-focused posts based on experiences, viewed by over 16,500 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

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

SKILLS

Languages:	**Programming:** Python, Java, Go | **Databases:** MongoDB, Elasticsearch, SQL | **Web:** HTML, CSS
Relevant Coursework:	ML, AI, Data Structures & Algorithms, Honors Discrete Math, Honors Algorithms, Global Issues & Leadership