

# ROHIT MITTAPALLI

[rmittapalli3@gatech.edu](mailto:rmittapalli3@gatech.edu) | [rohitmittapalli.com](http://rohitmittapalli.com) | [github.com/Rohit42](https://github.com/Rohit42) | 630-777-4728 | US Citizen

## EDUCATION

### Georgia Institute of Technology

B.S. in Computer Science (Intelligence & Theory) | Minor in Economics

Graduation: Dec 2020

GPA: 4.00 / 4.00

**Certifications:** Coursera Deep Learning Specialization, Udacity Data Analyst Nanodegree Program

**Awards:** 1st at Citadel DataOpen at Georgia Tech, Vanderbilt Hackathon Most Disruptive Hack and Best Financial Hack

**Coursework:** Intro to Artificial Intelligence, Computer Organization & Programming, Data Structures & Algorithms

## EXPERIENCE

### Microsoft

Software Engineering Intern | CRM Risk Team

May 2019

Seattle, WA

### VeriResume

Technical Co-Founder

Jun 2018 – Present

Atlanta, GA

- Developed an applicant-driven resume verification platform prototype ([demo.veriresume.co](http://demo.veriresume.co)) using React.js and MongoDB
- Marketed product using website ([veriresume.co](http://veriresume.co)) to drive newsletter and gain feedback from recruiters

### BazaarVoice

Data Science Intern | Content Integrity and Insights Team

May 2018 – Aug 2018

Austin, TX

- Automated 17.6% of all image moderation saving over \$65,000 per year by detecting copyright with 2 machine learning models
- Discovered drawbacks to photo quality rating by humans and created an alternate model with 74% accuracy on AWS SageMaker
- Debugged an ETL script called daily to transfer machine learning model outputs from data source to Amazon Web Services

### The Home Depot

Software Engineering Intern | Search Components Team

Jan 2018 – May 2018

Atlanta, GA

- Empowered Home Depot to objectively improve autocomplete predictions by creating a metric to assess quality and relevancy
- Removed bias from current metrics by using Word2Vec and a RNN for term diversity evaluation instead of Home Depot data
- Provided insight into the autocomplete system by analyzing the impact of recommended term diversity on autocomplete usage

### Northwestern University

Research Intern | Dr. Randall Berry

June 2015 – June 2016

Evanston, IL

- Created models able to increase data speeds by designing bandwidth allocation schemes in a network of femto and macrocells
- Analyzed informational cascades with 2 more nuances than mathematical models by using a Markov chain and first step analysis
- Shared work by presenting the Markov chain model at the 700+ person Informational Theory and Applications conference

## PERSONAL PROJECTS

### Stock Simulator ([stocksim.rohitmittapalli.com](http://stocksim.rohitmittapalli.com))

Oct 2018

- Developed a 20-minute stock trading game for 12 teams of 4 using React.js and Firestore to teach basic stock trading to fraternity
- Generated artificial news events and corresponding stock prices using a random bounded walk and a real world beta volatility

### Citadel Data Open

Feb 2018

- Won \$20,000 at a Citadel hosted data open along with a team of 3
- Analyzed city data to optimally place public service buildings in 6 cities across America using heatmaps and a random forest

### WeLocate—Vandy Hacks (Most Disruptive Hack by RedVentures / Best Financial Hack by Capital One)

Oct 2017

- 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

### Pokémon Go Swarm Algorithm

Aug 2017

- Designed a heuristic swarm algorithm to find a Euclidean circuit across my local park to optimize Pokémon Go loot
- Tested algorithm on distance weighted graph of a local park and improved efficiency from 18 to 21 nodes in 30 minutes

## ACTIVITIES

### Alpha Kappa Psi – Professional Business Fraternity

Jan 2018 – Present

Vice President of Finance

- Managed a stock portfolio of \$15,000+ along with 3 other directors, receiving and filtering input from the 85+ brother fraternity
- Hosted personal finance workshops and stock simulations to teach investment strategies and educate them in other related subjects

### Computational Finance Club @ Georgia Tech

Nov 2017 – Present

Undergraduate Head | Treasurer

- Handled club account with student government, hosted industry professionals, maintained membership, and organized budgets
- Created undergraduate awareness of the club and initiative by hosting joint master and undergraduate computational contests

### Automated Algorithms Design – Vertically Integrated Project

Jan 2018 – May 2018

- Designed machine learning, genetic, and evolutionary algorithms to outperform optimization methods and existing algorithms
- Predicted the effect of news headlines on stock prices using EMAD genetic programming and bag of words NLP algorithms

## SKILLS

**Languages:** Python, JAVA, C#, C++, SQL, R, HTML/CSS, Spark, Javascript, MATLAB

**Frameworks:** React.js, MongoDB, Keras, Firebase, Android Studio, TensorFlow, AWS ML Studio, Tableau, Maven