

# Anirudh Kamath

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## Education

### Northeastern University

BS DATA SCIENCE AND  
MATHEMATICS

Jan. 2018 - Dec. 2021

Major GPA: 3.96

Minored in Business

## Coursework

### Graduate

Machine Learning and Statistical Learning  
Theory (*Math*)

Numerical Analysis 1 (ODEs) (*Math*)

Numerical Analysis 2 (PDEs) (*Math*)

Graph Theory (*Math*)

Applied Linear Algebra and Matrix  
Analysis (*Math*)

Computer Systems (*CS*)

### Undergraduate

Calculus 1-3 (*Math*)

Linear Algebra (*Math*)

Differential Equations (*Math*)

Probability/Statistics (*Math*)

Mathematical Reasoning (*Math*)

Group Theory/Abstract Algebra (*Math*)

Geometric Algebra (*Math*)

Object-Oriented Design (*CS*)

Algorithms and Data (*CS*)

Database Design (*CS*)

Computer Graphics (*CS*)

Large-Scale Info Storage/Retrieval (*DS*)

Information Visualization (*DS*)

Financial Accounting (*Business*)

Managerial Accounting (*Business*)

Financial Analysis (*Business*)

Organizational Behavior (*Business*)

Intro to Marketing (*Business*)

Innovation (*Business*)

## Skills

Python • Scala • JavaScript/TypeScript •  
Spark/PySpark • Keras • TensorFlow •  
PyTorch • Go • Java • C++ • D3.js

## Links

Github: [github.com/kamath](https://github.com/kamath)

LinkedIn: [linkedin.com/in/andykamath](https://www.linkedin.com/in/andykamath)

## Experience

### CrowdStrike | DATA ENGINEERING INTERN, INTELLIGENCE/R&D

Jun. 2021 – present | El Segundo, CA

- R&D Data Engineering on AWS using Python and Go in the context of Cybersecurity

### Neo4J | SOLUTIONS ENGINEERING INTERN

Jan. 2021 - Jun. 2021 | San Mateo, CA

- Directly interfaced with both F100 and startup clients to implement graph technology in ways that best suit their potential use cases.
- Built end-to-end solutions involving data modelling and ingestion into Neo4J DB using AWS Glue and Cypher, along with front-end development in React and TypeScript

### Apple | SOFTWARE ENGINEERING INTERN

May 2020 - Aug. 2020 | Cupertino, CA

- Built technologies to support Apple and Apple-associated hospitals to address broad health-related initiatives.
- Worked on ETLs and large-scale data migrations using AWS Lambda, Glue, and PySpark to scalably support data science teams

### Boston Consulting Group (BCG) | NORTH AMERICA MARKETING INTERN

Jul. 2019 - Dec. 2019 | Boston, MA

- Topic modeled BCG.com articles to recommend articles to users based on article-article relevance and user affinity for a given topic using LDA modelling on article metadata.
- Setup Selenium scripts in Python to automate repetitive data entry into the BCG.com content management system (CMS).

### Rock Ventures | PROJECT MANAGEMENT INTERN

Aug. 2018 - Jul. 2019 | Detroit, MI

- Extended StockX internship with the parent company, Rock Ventures, and worked on projects with StockX and Dictionary.com
- Built  $\beta$ -VAE on images of StockX catalog items and correlated associated disentangled latent vectors with sales and pricing data.

### StockX | DATA SCIENCE INTERN

Jul. 2019 - Dec. 2019 | Cupertino, CA

- Supply chain optimization research to find ideal fulfillment warehouse locations
- Built KPI reporting tool pulling from various sources (Google Analytics, Periscope, etc.) into one cohesive email

## Honors/Awards

2019 Finalist and Inaugural Data Award Recipient, NU RISE Research Fair  
 2018 Finalist, NU RISE Research Fair  
 2018 Finalist, PennApps XVI Hackathon  
 2017 Eagle Scout, Boy Scouts of America

## General Interests

ML Engineering, High Performance Computing (HPC), Scientific Computing, Computational Science, Numerical Methods