

Anirudh Kamath

FUNCTIONAL PROGRAMMING ENTHUSIAST/SOFTWARE ENGINEER

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Education

Northeastern University

Boston, MA

B.S. MATHEMATICS AND DATA SCIENCE, MINOR IN BUSINESS ADMINISTRATION (MATH GPA: 3.95, DATA SCIENCE GPA: 3.92)

GRADUATE COURSEWORK: MACHINE LEARNING AND STATISTICAL LEARNING THEORY, GRAPH THEORY, NUMERICAL ANALYSIS I

Sep 2017 - Dec 2021

UNDERGRAD: LARGE-SCALE INFORMATION STORAGE/RETRIEVAL, ALGORITHMS AND DATA, OBJECT-ORIENTED DESIGN

TEACHING ASSISTANT: PROGRAMMING WITH DATA

Experience

Apple, Inc.

Cupertino, CA (Remote)

SOFTWARE ENGINEERING INTERN, HEALTH SPECIAL PROJECTS

Jun 2020 - Aug 2020

LANGUAGES/TECH: Python, PySpark/Spark SQL, Metaflow, Golang, AWS Glue, AWS Lambda, AWS Athena, Terraform

- Built technologies to support Apple and Apple-associated hospitals to address broad health-related initiatives.
- Worked on ETLs and large-scale data migrations using serverless technologies on AWS to support data science teams in a scalable manner.

Boston Consulting Group (BCG)

Boston, MA

NORTH AMERICA MARKETING CO-OP

Jul 2019 - Dec 2019

LANGUAGES/TECH: Python, SQL, Tableau, Pandas, Scikit-Learn, MS Office, Selenium, Salesforce

- Engaged with fashion client on case team consulting underserved communities in Boston.
- 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).
- Automated syncing various information from various sources (BoardEx, LinkedIn, Bloomberg, Crunchbase, Owler, etc.) with company CRM.

Rock Ventures

Detroit, MI

PROJECT MANAGEMENT INTERN

Aug 2018 - Jun 2019

LANGUAGES/TECH: Python, SQL, JavaScript, PyTorch, Tensorflow, Keras (Tensorflow), AWS SageMaker, Flask

- Extended StockX internship with the parent company, Rock Ventures, and worked on projects with StockX and Dictionary.com
- Utilized latent vectors (hidden features not explicitly describable to a computer) from disentangled variational autoencoder (β-VAE) in PyTorch to decompose sneaker/streetwear trends and correlate these features to willing-to-pay price points.
- Trained Mask R-CNN (segmented and labeled regions of images) model in Tensorflow for detection/segmentation of various fashion items

StockX

Detroit, MI

DATA SCIENCE INTERN

May 2018 - Jul 2018

LANGUAGES/TECH: Python, SQL, Tableau, Google Analytics, AWS Lambda, AWS SageMaker, Keras (Tensorflow), Pandas

- Developed prototype convolutional autoencoder (data compression to highlight hidden representations in unstructured data) in Keras for image-based similar item recommendations.
- Researched ideal fulfillment locations for shipping optimization based on buyer/seller traffic and potential growth in the area.
- Optimized buyer-authentication-seller shipment path via shortest path optimization on weighted graph considering shipping time/cost.
- Automated reporting daily sales and website metrics across variety of sources into one company email to employees.
- Structured KPIs and data from various sources for input into Customer Acquisition Cost (CAC) model to determine social media ROI.

Honors & Awards

2019 **Finalist and Inaugural Data Award Recipient**, Northeastern RISE Research Fair

Boston, MA

2018 **Finalist**, Northeastern RISE Research Fair

Boston, MA

2017 **National Finalist and 1st in State**, Technology Students Association

Orlando, FL

2017 **Winner**, Intel Excellence in Computer Science

Raleigh, NC

2017 **Silver Medal Recipient for Research**, US Army (via Intel ISEF)

Raleigh, NC

2017 **3rd Place Statewide Technology Research**, Intel ISEF, North Carolina

Raleigh, NC

2017 **Eagle Scout**, Boy Scouts of America

Charlotte, NC

Skills from Side Projects and Academia

Proficient: Scala, Java, TypeScript/JavaScript, Spark, Neo4J/Cypher, MongoDB; **Used:** React, AngularJS, Scheme, Cassandra, Kafka/Spark Streaming, Spark GraphFrames, MatLab, GatsbyJS, Redux