

ANDY KAMATH

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EMPLOYMENT

Data Science, Intern **StockX** **Summer 2018**

- Responsible for data pipelining and shortest path optimization to minimize travel time and cost from buyer to variable validation/authentication checkpoint to the seller.
- Working on building an automated price gauging model given an image and description of high fashion merchandise

Research Assistant **NU College of Science** **Spring 2018-Present**

- Responsible for data pipelining, visualization, and analysis of eye gaze tracking as part of a graduate research study in the Interdisciplinary Affective Science Laboratory headed by Dr. Lisa Feldman-Barrett

Founder **CounteractIO** **Winter 2015-Present**

- **ColoBoost** - Developed a machine learning-based prescreening methodology for colorectal cancer that is more accurate, 4,000x faster, and 60x more economical than Cologuard (patent pending, awaiting clinical validation).
- **DR Research** - Developed an ML solution for effective diabetic retinopathy screening at 97% sensitivity.
- **Counteract** - Worked alongside UN Counterterrorism Committee Executive Directorate (CTED) on co-developing a system to detect threatening behavior via sentiment analysis on Twitter.
- **IB** - Worked for a grassroots political campaign to use social media marketing to boost page from 0 to 200,000 post reach and 10,000 social media page likes across Facebook, Instagram, and Twitter.
- **Hoodie Allen** - Worked on optimal file sharing options for high traffic downloads of his album, *Happy Camper*

EDUCATION

Boston, MA **Northeastern University** **Fall 2017 – Spring 2021**

- Combined B.S. Computer Science/Business, Finance Concentration, Computational Data Analytics Minn
- Studied a semester abroad at the American College of Thessaloniki Fall 2017.
- Clubs/Activities: NU Association for Computing Machinery (ACM), NU IEEE, Big Data in Business Club

TECHNICAL EXPERIENCE

Projects

- **Tri-Fi** (2017). Confined location tracking via trilateration of wi-fi beacons for brick and mortar shop analytics. JavaScript, Shell, Google Cloud Platform. Demoed at PennApps 2018 at the University of Pennsylvania.
- **Glass** (2016). Image segmentation/analysis for prediction of post engagement on social media photos. Python, Tensorflow.

ADDITIONAL EXPERIENCE AND AWARDS

- **RISE Undergraduate Finalist** (2018). 24 out of 348 undergraduate research projects at NU. For ColoBoost.
- **Eagle Scout** (2017). Boy Scouts of America. For demonstrated service and leadership to my community.
- **ISEF North Carolina Finalist** (2017). Intel International Science and Engineering Fair. For DR research.
- **US Army Silver Medal** (2017). US Army. For DR research.
- **Intel Excellence in Computer Science** (2017). Intel. For DR research.
- **Social & Scientific Systems Founders' Award for Excellence in Public Health** (2017). SSSI. For DR research.
- **1st in FOSS Dev and National Finalist** (2017). NC Technology Students Association. For Counteract.
- **United Nations Unite4Humanity Grand Award** (2016). United Nations OICT. For Counteract.
- **Presidential Volunteer Service Award** (2014, 2015, 2016). Office of the President. For over 300 service hours.

PATENTS

- **US 62515537**. An ensemble learning based pre-screening test for colorectal cancer (2017). Pending.