

ANDY KAMATH

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andykamath.com

EMPLOYMENT

Founder	CounteractIO	Winter 2015 – Present
<ul style="list-style-type: none">• 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 AI system 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 combined social media page likes across Facebook, Instagram, and Twitter.• Hoodie Allen - Worked for Hoodie Allen on optimal file sharing options for high traffic downloads of his album		

EDUCATION

Boston, MA	Northeastern University	Spring 2018-2021 (Expected)
<ul style="list-style-type: none">• GPA: 4.0/4.0• Studied a semester abroad at the American College of Thessaloniki Fall 2017.• Related Coursework: CS 1800 Discrete Structures, CS 2500 Fundamentals of Computer Science I		

EXPERIENCE AND AWARDS

- **Dean's List** (2017). American College of Thessaloniki. For academic achievement.
- **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, Inc. Founders' Award for Excellence in Public Health** (2017). SSSI. For DR research.
- **NC Science and Engineering Fair 3rd Award** (2017). NC Biogen Foundation. For DR research.
- **1st in Software Development and National Finalist** (2017). NC Technology Students Association. For Counteract.
- **Most Viewed Writer – Artificial Intelligence** (2017). Quora. For being among the top 5 writers on AI.
- **United Nations H4H Grand Award** (2016). United Nations Office of Information and Communications Technology. For Counteract.
- **NCJCL 2nd Vice President** (2015). NC Junior Classical League. Was responsible for organizing volunteering and fundraising projects across the state as part of the 2nd largest student led organizations in the nation.
- **Presidential Volunteer Service Award** (2014, 2015, 2016). Office of the President. For over 300 hours of service to the community.

OTHER PROJECTS

- **Tri-Fi** (2017). Confined location tracking via trilateration of wi-fi beacons for brick and mortar shop analytics. JavaScript, GCP.
- **Glass** (2016). Image segmentation and analysis for prediction of post engagement on Facebook and Instagram. Python, Tensorflow.
- **Jarvis** (2016). Small version of Mark Zuckerberg's Jarvis AI system on a home computer for basic automation tasks run through Facebook Messenger. Node.js, Facebook Chat API, Shpotify.
- **TrickleDownML** (2016). Recurrent Neural Network-based Ronald Reagan chatbot on Facebook Messenger. Python, Tensorflow.
- **eduCommit** (2015). Prototype of educational social network software. MEAN, Bootstrap.

PATENTS

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

