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|  | **Andy Kamath** | (980)-263-1814  [andy@andykamath.com](file:///C:\Users\Andy\Documents\andy@andykamath.com)  [andykamath.com](http://andykamath.com) |
| **Employment** | | |
| **CEO** | CounteractIO | 2015 – Present |
| * Developed a machine learning-based prescreening methodology for colorectal cancer that is 60x cheaper, 4,000x faster, and even more accurate than current benchmarks, with research/advice from Penn, Yale, UC Berkeley, and UCSF. (2017) * Developed an artificial intelligence system for diabetic retinopathy screening at 97% sensitivity. (2017) * Worked for UN Counterterrorism Committee Executive Directorate on co-developing a system to detect threatening behavior via sentiment analysis on Twitter (2016) * 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 and Twitter. (2015-16) | | |
| **Education** | | |
| **Boston, MA** | **Northeastern University** | **January 2018 – April 2021** |
| * Studying abroad at the American College of Thessaloniki in Greece for my first semester (Sept-Dec 2017) * High School Stats: Member of Mu Alpha Theta Math Honor Society, Tri-M Music Honor Society, National Speech and Debate Honor Society, and National Latin Honor Society * Took 12 APs: Calculus BC, Computer Science A, English Literature, European History, Latin, Macro/Microeconomics, Physics 1/2/C: Mechanics, US Government, US History | | |
| **Technical Experience** | | |
| **Projects** | | |
| * **Gllass** (2016-17). Image segmentation and analysis for prediction of engagement and automated LSTM-based caption generation on social media sites. Python, Caffe, Tensorflow. * **Jarvis** (2016). Small version of Mark Zuckerburg’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. | | |
| **Additional Experience and Awards** | | |
| * **Eagle Scout** (2017). Boy Scouts of America. For demonstrated service and leadership over eight years. * **1st in Software Development and National Finalist** (2017)**.** National Technology Students Association. For social media work. * **Intel Excellence in Computer Science** (2017). Intel. For diabetic retinopathy research. * **Social & Scientific Systems, Inc. Founders’ Award for Excellence in Public Health** ​(2017). SSSI. For   DR research.   * **US Army Silver Medal** ​(2017). US Army. For diabetic retinopathy research. * **NC Science and Engineering Fair 3rd Award** (2017). NC Biogen Foundation. For DR research. * **Most Viewed Writer – Artificial Intelligence** ​(2017). Quora. For being among the top 5 writers on AI. * **United Nations U4H Grand Award** (2016). United Nations OICT. For social media work. * **NC Certamen Captain and National 9th place Award** (2015). National Junior Classical League. For captaining the state certamen team at the national level after winning the state championships twice consecutively. * **NCJCL 2nd Vice President** (2015). NC Junior Classical League. Was responsible for organizing volunteering and fundraising projects across the state of NC. * **Presidential Volunteer Service Award** (2014, 2015, 2016). Office of the President. For over 300 hours of service to the community. | | |
| **PATENTS** | | |
| * **A machine learning ensemble based pre-screening test for colorectal cancer** (2017). US 62515537. Pending. For use of novel softmax optimization for increased sensitivity of colon cancer prescreen tests. | | |