

Ravish Chawla

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Tech Blog: <http://medium.com/ml2vec>
GitHub: www.github.com/ravishchawla

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Master of Science in Computer Science and Specialization in Machine Learning : GPA 3.87 / 4.0

Atlanta, GA

2015-2017

- Graduate Research included an accepted publication to IEEE VAST 2017 Conference (21% acceptance rate)
- Additional experience included Graduate Professor's Assistantship, and a summer internship in related field

Bachelor of Science with Major in Computer Science : GPA 3.83 / 4.0 (Highest Honors)

2012-2014

EXPERIENCE

VMWARE

Software Engineer in Advanced R&D – Office of the CTO

Atlanta, GA

2017-Present

- Filed 7 Patents as part of ongoing research and proof-of-concept implementations, ranging in different fields including Mobile Security and Management, Natural Language Processing, 3D Printing, and Voice-based search systems.
- Created an end-to-end product for Data Analytics using Time Series Analysis on live streaming data, Natural Language Processing for real customer feedback data, and Category Classification on bulk logging data.
- Created integrations for security partners Lookout and Carbon Black, which became part of a new product – VMWare Trust Network, a platform for intelligently managing security by collaboratively gathering threats from multiple sources.
- Developed serverless connectors, led architecture design, and wrote components for the original use case for a new product – Workspace One Hub Chatbot with Watson, a service that is now offered to all customers as part of Workspace One.
- Submitted 3 publications to the company's research conference – Radio@, corresponding to Innovation Work and research.
- Participated in 2 internal Hackathons, creating new apps, including developing Machine Learning models for English and Spanish language understanding for voice, and a backend system for Contact Tracing for Covid-19. Worked with Product Managers to get the apps onto product roadmap.

Research Engineering Intern in Advanced R&D

Summer 2016

- Developed a Machine Learning algorithm to learn and predict behavior of vehicle drivers from device sensor and status data collected by mobile devices, and created a corresponding Android app to enforce restrictions inferred by the algorithm.
- Filed 2 Patents (now approved) for finding a unique approach to driver and passenger identification using Machine Learning.

Zynga

Software Engineer

San Francisco, CA

Jan – May 2015

- Worked on Cross Platform Game Development using Unity Game Studio. Created and developed several features for the mobile game Zynga Poker as part of a team, which were released and are being used by millions of users today.

Software Engineering Intern

Summer 2015

- Worked on the Push Notification service for Zynga Poker, developing a feature that was deployed on the web platform.

SKILLS AND KNOWLEDGE

- Experience in Machine Learning with **Python, Tensorflow, Keras, PyTorch, SKLearn, and Pandas**
- Experience in Analytics and Serverless Platforms with **AWS Lambda, Apache Spark, Google Cloud, and GraphQL**
- Completed Certifications:
 - **Udacity Deep Reinforcement Learning and Data Scientist Nanodegrees**
 - **Coursera Deep Learning.ai Specialization**

ADDITIONAL INFORMATION

- Author and manager of a blog that covers various topics in Machine Learning, Data Analytics, and Visualizations. Writing since 2017, with an average of 10K viewers per month – <https://medium.com/ml2vec>.
- President of the Peachtree Toastmasters Club since 2019, a club that has been part of the Atlanta community since 1980s. As a president of this organization, I manage a team of 6 officers and 30 club members, managing various tasks including the club's ongoing growth, achieving a president's distinguished status within the global Toastmasters organization, and more recently, leading the club's migration to an online educational curriculum and meetings – <http://peachtreemtg.org/>.
- Active volunteer at an Atlanta Foodbank, where I serve hands on every week to help prepare meals with other volunteers, and to serve the homeless in Atlanta every Saturday – <https://food4lives.org>.