SAAHIL JAIN

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EDUCATION:

Stanford University, Stanford School of Engineering, Stanford, CA September 2019 – Expected June 2021
GPA: 4.00/4.00, MS in Computer Science, Specialization in Artificial Intelligence and Machine Learning

Columbia University, The Fu Foundation School of Engineering and Applied Science, New York, NY Expected May 2018
GPA: 3.95/4.00, BS in Computer Science, Minor in Economics
*Highlighted Coursework***:** ML, AI, Deep Learning, NLP, Cloud Computing, Algorithms, Databases, Applied Math courses
Awards: Computer Science Excellency Award (for top 35 Columbia CS students by GPA), Magna Cum Laude, Tau Beta Pi

EXPERIENCE:

Microsoft, Redmond, Washington | *Program Manager* August 2018 – September 2019

- Worked as a product manager on Office 365 cloud infrastructure, building software to intelligently coordinate datacenter operations to ensure the health of hundreds of thousands of machines in datacenters across the world
- Promoted levels within 6 months for ramping up, delivering improvements, and leading biannual product planning
- Developed and presented a long-term (~2 year) vision as well as biannual visions for the hardware repair team and partner teams across China, Redmond, and SF
- Drove product improvements aimed at efficiently reducing service downtime due to hardware repair by ensuring 99.9X% hardware availability. Reduced the cost of operations and manual effort required to maintain the Office 365 cloud infrastructure. Decreased number of manual investigations on critical machines by 60% via reporting (SQL)
- Incubated new machine learning / artificial intelligence initiatives to more intelligently detect hardware issues and recommend repair actions. Achieved repair recommendation accuracy comparable to human vendors on test data

IBM Extreme Blue, Research Triangle Park, North Carolina | *Software Engineering Intern* May 2017 – August 2017

- Created a 'moonshot' research product that uses machine learning to extract business insights from API data
- Leveraged forecasting for predictions, neural networks for sequence identification, and clustering for user segmentation
- Submitted 4 invention disclosures related to machine learning on API data
- Pitched to senior executives every week, and presented insights at IBM headquarters in Armonk, NY

Tatonetti Lab at Columbia Medical Center, New York, NY | *Undergraduate Researcher* January 2017 – May 2017

- Researched database solutions for Biomedical Data Translator project (NIH) and data mining of FDA drug events

Société Générale Corporate and Investment Bank, New York, NY | *Software Engineering Intern* June 2016 – August 2016

- Automated quality assurance tests on the trading platform as part of interest rate swaps team in front office technology

Wireless and Mobile Networking Lab, Columbia University | *Undergraduate Researcher* September 2015 – June 2016

- Created monitoring system to visualize and analyze a network of energy harvesting devices in real-time using Python
- Co-authored publication accepted to ACM SenSys'16, a leading conference on sensor networks at Stanford, related to research developing a monitoring system for networked devices

FEATURED INITIATIVES:

Inspirit AI, Stanford University | *AI Instructor* December 2019 - Present

- Teach high schoolers globally about programming and artificial intelligence with a team of Stanford graduate students
- Most recently taught ~70 high school students in Dubai (UAE), where I taught concepts building from linear / logistic regression to neural networks and led a fake news detection project introducing students to natural language processing

Ask Alma, Columbia University | *Product Founder, Software Engineer* January 2017 – May 2017

- Led team of 4 to develop a Quora-like community forum for Columbia students and faculty. Defined product vision, scope, and requirements. Implemented automatic tagging and personalized topic recommendations with neural net

Emerging Scholars Program, Columbia University | *Course Instructor* September 2016 – May 2018

- Planned and led seminar lessons on select fields in computer science, such as AI and human-computer interaction

SKILLS:

Technical Skills: Python, Java, C, SQL, ML tools (Scikit-Learn, PyTorch, TensorFlow), Cloud Computing (e.g. AWS)