

SAAHIL JAIN

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EDUCATION:

Columbia University, The Fu Foundation School of Engineering and Applied Science, New York, NY Expected May 2018

GPA: 3.96/4.00, BS in Computer Science, Minor in Economics, Dean's List, Tau Beta Pi Engineering Honors Society

Highlighted Coursework: Machine Learning, Cloud Computing / Big Data, Analysis of Algorithms, Databases, Advanced Programming (C/C++), Computer Systems, Applied Math courses

Business Coursework: Econometrics, Accounting and Finance, Intermediate Macro / Micro, Principles of Economics

University School of Nova Southeastern University (High School), **Valedictorian**

May 2014

EXPERIENCE:

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

Product Management Experience

- Designed and implemented a 'moonshot' product from the ground up to provide high-level business insights to product managers for IBM API Connect, a leading API Management platform, with a team of 4
- Conducted customer interviews to identify user pain points, and performed market analyses to guide development
- Pitched to senior executives every week, and presented insights at company expo at IBM headquarters in Armonk, NY

Software Engineering Experience

- Designed machine learning models to extract deeper insights from customer API data
- Leveraged forecasting techniques for predictions, neural networks for sequence identification, and clustering for user segmentation on time series data; Developed a scalable data pipeline / architecture using tools like Elasticsearch

Tatonetti Lab (Bioinformatics), Columbia Medical Center | *Product Development Research* January 2017 – May 2017

- Researched and evaluated various database solutions for the Biomedical Data Translator Project, a National Institute of Health project spanning 11 institutions including Columbia Medical Center; Drafted product specifications
- Wrote reports on healthcare data mining, like mining FDA adverse drug events to identify harmful drug combinations

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
- Presented revamped testing automation framework to technology teams in New York and Paris

ListenMD, Davie, Florida | *Technology & Business Intern*

July 2015-August 2015

- Implemented features for mobile medical startup; Performed market research on accountable health care organizations

FEATURED PROJECTS:

Ask Alma January 2017 – May 2017

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

Power-Aware Neighbor Discovery for Energy Harvesting Things, Columbia University September 2015 – June 2016

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

Nursing Home Lighting Enhancement

September 2014 – January 2015

- Programmed an Arduino to alter indoor lighting based on ambient light to improve the sleep quality of elderly residents at a nursing home (backed by research documenting impact of lighting systems on sleep-wake cycles).

LEADERSHIP:

Emerging Scholars Program, Columbia University | *Course Instructor*

September 2016-Present

- Plan and lead group seminar lessons on growing fields in computer science, like AI and human-computer interaction

Columbia Energy Club | *Co-President, Former Head of Research Division*

April 2015-Present

- Organize events showcasing researchers and experts in the energy field for the Columbia community; Head recruiting

SKILLS:

Programming Languages: Java, Python, C, C# (some), C++ (some), Matlab (some), **Frameworks and Skills:** Django, Rails, HTML / CSS, Amazon Web Services, Bluemix, SQL, Excel, **Languages:** English, Hindi (intermediate)