

Subhankar Ghosh

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Education

New York University

B.A., Computer Science and Economics; GPA: 3.93/4.00; SAT: 2220

Sep 2013-May 2017 (expected)
New York, USA

- Honors & Scholarships: Presidential Honors Scholarship, Silverstein Scholarship, Clelia Abele Scholarship for Mathematics & Science, Kushner Family Dean Scholarship, Dean's Honor List

New York University in Paris

Intermediate French Language Courses

June-Aug 2014
Paris, France

Professional Experience

New York University Center for Data Science

Research Student

June-August 2016
New York, USA

- Examined inference methods of Convolutional Neural Networks used for object recognition to understand their learning process
- Discovered similarities between learning mechanisms involved in object recognition of CNNs and that of humans by inspecting intermediate layers of CNNs with different architectures and constructing test datasets to control for input characteristics
- Improved efficiency of data generation for experiments ~100x by automating processes with bash scripts

Capital Float

Decision Sciences Intern

June-August 2015
Bangalore, India

- Discovered lending opportunities in the Indian Small & Medium Enterprise credit market by analyzing credit related decision processes and exploring unconventional data points
- Created 2 credit products with estimated monthly sanctions of INR 30MM at deployment and ~20% annual returns
- Improved underwriting efficiency through predictive modeling of cases, and bottleneck identification via data log analysis
- Investigated feasibility of lending to non-traditional demographics of the SME sector by designing and implementing test loans

NYU University Learning Center

Learning Assistant

Jan 2015-Present
New York, USA

- Provide free, equal opportunity, one-on-one tutoring to university students in Math, Computer Science, Economics and Writing
- Develop teaching strategies based on individual needs to address lacunae in foundational knowledge
- Facilitate workshops and consolidate resources aimed at equipping students with skills to navigate college and academia

Courant Institute of Mathematical Sciences

Teaching Assistant

September 2015-Present
New York, USA

- Assist final development of an experimental Calculus I class designed to combat limitations of lecture-based education by tracking student participation, feedback and common difficulties leading to ~10% points exam scores above cohort average
- Facilitate problem solving sessions for ~200 students by reinforcing concepts and helping understand their applications

Agency for Science, Technology & Research

Data Storage Institute Research Intern

Nov-Dec 2011
Singapore

- Examined feasibility of confocal microscopy for structural imaging of 3-D metamaterials under Dr. Guillaume Vienne
- Analyzed a wide variety of structure sizes by using samples of femtosecond laser etched glass for proof of concept
- Found strong potential for relevant 3-D imaging and presented results to a panel of research scientists

Activities

Tech@NYU

Member

Jan 2014-Present
New York, USA

- Honed programming skills by participating in workshops and collaborating with other members on projects
- Broadened relevant knowledge by attending lectures about start-ups, engineering, marketing, consumer psychology, etc.

NYU Model United Nations

Committee Vice-Chairman & Communications Staff

Oct 2013-Oct 2014
New York, USA

- Moderated debate and facilitated communication between 13 committees to foster consensus and fair crisis resolution
- Honed public speaking and debate skills by participating in weekly discussions and debates about global affairs

Skills

Programming : Java, C, Python, MATLAB, BASH script, HTML, CSS, VBA
Software : Mac OS, Linux, Apple iWork, Microsoft Office, Adobe Lightroom
Language : English (Native), French (Working), Hindi (Working)

Interests

Photography, Architecture, Jazz, Cars, Mental Health Awareness, Cooking, Modern Art, Furniture Design, Street Fashion, Watches