Anand Tyagi

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EDUCATION

New York University   May 2021
Bachelor of Arts in Computer Science and Data Science, GPA: 3.42
Selected Coursework: NLP (Graduate Level), Introduction to ML, Computer Graphics, Algorithms, Data Structures, Causal Inference, Linear Algebra, Probability and Statistics, Interactive Computing
Languages: Python, Java, Javascript, Typescript, Bash, R, C, C++
Libraries and Frameworks: Pandas, NumPy, Scikit-learn, PyTorch, React, Node.js, p5, Elasticsearch, Flask, OpenCV

WORK EXPERIENCE

Klarity, *AI start-up focused on automated customer contract review,* San Francisco, CA   Jan 2021 - Present
Software Engineer Intern
- Used Python and AWS Textract to extract and display necessary information from tables in PDF documents. This was integrated into the website's automated demo.
- Wrote a Python script to extract handwritten signatures from images using OpenCV and synthetically created a dataset of signed documents to train a signature detection model.

New York University, New York, NY   Aug 2020 - Present
TA and Grader for Natural Language Processing (NLP), Grader for Data Science Tools (DST)
- Graded 150 students and served as a final project advisor for nine students in the NLP course.
- Improved the automated grading scripts for the NLP course and developed parts of the DST curriculum.

Incedo, *Analytics and technology services firm,* San Francisco, CA   Jun 2020 - Aug 2020
Data Scientist Intern
- Built models in Python for credit risk defaulting prediction.
- Cleaned and organized the data. Qualitatively analyzed the data and built linear regression, random forest, and XGBoost models to determine which applicants are most likely to default.

Gulaq, *Robo-advisory fintech startup focused on India,* Millburn, NJ   May 2019 - Aug 2019
Web Development Intern, Algorithm Research Intern
- Created a survey using Javascript and React for users to input their financial information to make personalized financial investment recommendations.
- Developed a new algorithm for optimizing the investment of a lump sum of money over multiple funds with multiple constraints. Outperformed 100% of test cases against their old algorithm and is still used by the company today.

SK Holdings, *3rd largest Korean conglomerate with $200B+ revenue,* Seoul, South Korea   May 2018 - Aug 2018
Research Analyst Intern
- Researched upcoming start-ups in emerging markets, such as gene technology and artificial intelligence, and reported which companies our team should invest in.

PROJECTS

Idiom Translation, Personal   Nov 2018 - Present
- Created a dataset and wrote a program which translates idioms by utilizing a reverse phrase search.
- Built with React, Javascript, Node.js, Python, and Flask.

Using Statistical Weighting and Popularity Ranking for Extractive Summarization   May 2020
Co-Author, submitted to COLING'2020
- Natural language processing research paper describing a new method for extractive summarization.
- Designed and implemented the novel method presented in this paper.
- The program scored as the second highest extractive-only summarization system on the Cornell NEWSROOM leaderboard.

Showcase, NYU, Project Manager and Full-stack developer   July 2020 - Jan 2021
showcasenyu.herokuapp.com
- Website created with Typescript and React that showcases independent projects and research papers made by NYU students.
- Wrote the initial version of the website and managed a group of three developers who continued building up the website.

VERS, MIT, Software developer   July 2020 - Dec 2020
versproject.herokuapp.com
- Virtual escape room experience built as a substitute for in-person escape rooms during the COVID-19 pandemic.
- Created two of the puzzles presented in the escape room using Javascript and React.

SKILLS and INTERESTS

Spoken Languages: Hindi, Korean (Intermediate)
Interests: Piano (performed at Carnegie Hall and Lincoln Center), Magic (11 years), other instruments (electric and acoustic guitar, percussion), Travel (25 countries, NSLI-Y scholarship)