Tanmay Bagaria

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EDUCATION

UNIVERSITY OF WISCONSIN-MADISON
BS in Computer Science
Minor in Entrepreneurship
Aug 2018 - May 2020 | Madison, WI
College of Letters and Science
Cum. GPA: 3.83 / 4.0

MANIPAL UNIVERSITY
BS in Computer Science
Aug 2016 - May 2018 | Manipal, India
Cum. GPA: 3.85/ 4.0
(Took a transfer after my sophomore year)

THE HERITAGE SCHOOL
Grad. May 2016 | Kolkata, India
ISC (Science): 96.5
ICSE (Science): 94.0

COURSEWORK

UNDERGRADUATE
Major Related
Data Science
Introduction to Artificial Intelligence
Computer Architecture
Compilers
Java Programming
Data Structures
Linear Algebra
Discrete Mathematics
Software Design using OOP
Machine Organization+Programming
Formal Languages+Automata Theory
Assembly Level Programming
(MASM x86 and LC-3)

Online Courses
Pytorch Deep Learning Scholarship from Facebook *(Udacity)*
Python Specialization - University of Michigan *(Coursera)*

SKILLS

Java • Python • C • C++ • Matlab
HTML • CSS • Bootstrap • Javascript
SQL • Pytorch • Adobe Illustrator
Familiar
JQuery • Adobe Photoshop • Ruby
Microsoft Excel • R

EXPERIENCE

UNDERGRADUATE PEER MENTOR | CS 540: Introduction to Artificial Intelligence
Jan 2019 - Present | Madison, WI
- Holding office hours and assisting students with their coursework
- Helping study groups understand AI concepts and complete related assignments

DIVISION OF IT, UW-MADISON | Network Applications
Sep 2018 - Dec 2018 | Madison, WI
- Worked on the Knowledge-Base using HTML to store university information
- Researched and consolidated information from different systems to complete telephone orders
- Work with different departments to coordinate meetings and installation requests for campus VoIP phone system

ZOMATO | Communications and Marketing Intern
May 2018 – Jun 2018 | Delhi, India
- Researched on corporate and college target audience and maintained excel sheets of daily performance growth
- Led the team to visit over 20 commercial enterprises to pitch and expand the client base in the corporate sector

SREI INFRASTRUCTURE FINANCE LIMITED | Software and Finance Intern
May 2017 – Jun 2017 | Kolkata, India
- Developed Regression Analysis Composites, Binomial Model, Black-Scholes Model for premium option pricing using Java and Microsoft Excel
- Researched and analyzed on Computational Finance and its benefit for the company on a national scale

STUDIO MAGNET | Graphic Illustration Intern
Jan 2017 – Jun 2017 | Kolkata, India
- Illustrated on Adobe Illustrator and handled the content material of projects given by the CEO
- Assisted in ten projects which including logo design and poster layout

PROJECTS AND RESEARCH

UNDERGRADUATE RESEARCHER | UW-Biochemistry Laboratory
Jan 2019 | Madison, WI
Developing C++ clustering algorithms for a high dimensional space for protein-protein interactions

FARMEXCESS | MinneHack 2019 | Awarded best use of GCP
Feb 2019 | Minneapolis, MN
Developed a web-based application which allows farmers to enter details about their excess produce and local community members to get customized recipes based on nearby farm surpluses. Used front-end frameworks, Python and Google Distance Matrix and Geocoding APIs

BLOCKCHAIN VOTING SYSTEM | Madhacks 2018
Nov 2018 | Madison, WI
Created a decentralized blockchain voting system with user authentication using Python TCP server sockets, firebase and multi-threading