

Milan Gupta

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Objective

Seeking opportunities that enable me to utilize my analytical thinking and programming skills to solve real-world problems and make more intelligent decisions by applying valuable insights from data.

Education

UNIVERSITY OF MICHIGAN, ANN ARBOR, MI, 2017-PRESENT

- GPA: 4.0/4.0
- Sophomore enrolled in the Honors College of Literature, Science, and the Arts
- Intend on majoring in Data Science with a minor in Entrepreneurship
- Relevant coursework: Elementary Programming Concepts, Programming and Introductory Data Structures, Discrete Math, Data Structures and Algorithms (currently enrolled)

Skills

- Programming: C++, Python
- Web Development: HTML, CSS, Bootstrap, JavaScript, jQuery
- Languages: Spanish, Hindi
- Other: iWork, G Suite, Microsoft Office

Awards

- Won the William J Branstrom Freshman Prize for ranking in top five percent of class for first term

Experience

CTO, SANJANA, EUROPEAN INNOVATION ACADEMY, TURIN, ITALY

JULY 2018

- Served as the Chief Technology Officer for Sanjana, a startup built through the European Innovation Academy aimed at providing health information to rural, inaccessible communities in India through a text-based service
- Programmed a functioning textbot that asked users for information about their current health condition and responded with personalized health information aimed at curing and reducing the spread of disease

RESEARCH ASSISTANT, CROMA LAB, ANN ARBOR, MI

OCTOBER 2017-PRESENT

- Currently building a platform that will allow game designers to prototype and test games without programming knowledge by outsourcing to crowd workers using our interface
- Conducted research on crowdsourced traffic scene reconstruction, with ultimate purpose of better training autonomous vehicles to recognize traffic accidents
- Employed a user interface to collect traffic scene annotation data from crowd workers in order to train an intelligent system to simulate traffic accidents
- Generated ground truth reconstructions to serve as an ideal model to which crowd worker data can be compared

RESEARCH INTERN, SYRACUSE UNIVERSITY, SYRACUSE, NY

JULY 2016-SEPTEMBER 2016

- Conducted research on plant-pathogen interactions under direction of a biology professor and a senior undergraduate student
- Utilized standard lab procedures such as gel electrophoresis and PCR to collect and analyze DNA from various plant samples

RESEARCH INTERN, RENSSELAER POLYTECHNIC INSTITUTE, TROY, NY

JULY 2015-JULY 2015

- Conducted research on RNA synthesis and its implications to origins of life under direction of a biochemistry professor
- Showed, using real lab data, that vital organic compounds could indeed have arisen from inorganic substances, as stated by the RNA world hypothesis

Projects and Other Experiences

MILANGUPTA.ME, PERSONAL

JUNE 2018-PRESENT

- Used front-end technologies such as HTML, CSS, and JavaScript to design and build from scratch a personal website to provide information about my interests and endeavors

MEMBER AND PEER MENTOR, MICHIGAN RESEARCH AND DISCOVERY SCHOLARS

SEPTEMBER 2017-PRESENT

- Formerly a member and now a Peer Mentor in the Michigan Research and Discovery Scholars Program, a residential learning community aimed at providing research opportunities for incoming freshmen
- Tasked with mentoring four freshmen in the program - ensure that their transition into the university is as smooth as possible by providing them with social and academic support

THE BAKED POTATO, COMPUTER SCIENCE FINAL PROJECT

APRIL 2018

- Programmed a functional Twitterbot that analyzed tweets from popular satirical news source "The Onion" and used artificial intelligence to tweet similar but original tweets with relevant images
- Won award presented by J.P. Morgan Chase for excellence and creativity on project