NITIN CHANDRA

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EDUCATION

UNIVERSITY OF MICHIGAN — **Ann Arbor, MI**

College of Engineering

B.S.E. Computer Science, Minor in Financial Mathematics, May 2017

- Cumulative GPA: 3.60/4.00
- SAT 2360 (800 CR, 800 M, 760 W - 99th Percentile)
- Sigma Beta Rho Fraternity-Webmaster
- Eta Kappa Nu-General Member
- MECC Consulting Group-General Member

EXPERIENCE

GOLDMAN SACHS — **New York, NY**

Summer 2016 — **Technology Division Summer Analyst**

- Re-engineered an existing visitor management system with the goals of both enabling security staff to authenticate outside personnel entering the building and permitting employees to register visitors
- Designed and implemented the full stack for visitor registration/authentication to ensure not only all the necessary information reached the database, but that it was also accessible to the end user
- Created a RESTful service to facilitate communication with other parts of the application, and ran numerous tests on the visitor management system as a whole to make sure all the required information was sent from the front end to the back end

2014-2016 — **1701 CONSULTING GROUP** — **Ann Arbor, MI**

Co-Founder

- Developed the company website and email domain by using precedent data sources and gathering relevant information resulting in implementation of new corporate website
- Spearheaded company efforts to develop partnerships with local technology companies by implementing websites, communications systems, and other diligence requests, resulting in 5 new clients and spreading awareness of company's product offerings

Summer 2015 — **MEDIAMATH** — **Cambridge, MA**

Systems Engineering Intern

- Created a machine-learning algorithm utilizing Scala, that modeled user preferences for products, and suggested similar products based on data from comparable users
- Connected to Amazon Web Services via Spark to run the algorithm on big data sets of 20 million users in order to fine-tune the model's parameters and improve precision
- Tested the prototype thoroughly to validate each step of the algorithm in order to achieve 45% more accuracy over the baseline model, ensuring current model was production ready

Summer 2014 — **DETROIT ENGINEERED PRODUCTS** — **Troy, MI**

Summer Intern

- Studied underlying competitor software through primary and secondary research to present DEP product advantages to senior partners leading to 2% increase in revenue
- Assisted with aerospace product design using MeshWorks to create modified jet turbines in order to reduce excess bulk by 300 pounds; leading to improved fuel efficiency
- Constructed reports informing management about potential clients that would benefit from DEP partnership resulting in collaboration with automobile manufacturers

2013-2014 — **ATMOSPHERIC, OCEANIC, & SPACE SCIENCES DEPARTMENT** — **Ann Arbor, MI**

Research Assistant

- Collaborated with research coordinator in surveying magnetic fields to develop a fourth order predictor-corrector model to predict sun spot phenomena
- Analyzed observations regarding magnetic fields and their relationship to sun spots using Python to find recurring pattern in data, which led to thesis that suggest that magnetic energy released by sun can be predicted and monitored through a model
- Utilized MATLAB to overlay predictive model equation with data collected from the sun over the past 11 years in order further test the validity of the equation, allowing the research coordinator to have enough data to publish the lab's findings

ADDITIONAL

- Knowledgeable in C, C++, Scala, Spark, MATLAB, and Python
- Placed 1st place at National Science Olympiad 2013 in Astronomy
- Created an application to accurately predict 1st and 2nd order predictor- corrector models using methods such as: Euler's, improved Euler's and Runge-Kutta
- Avid enthusiast of tennis and the Detroit Pistons