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Ann Arbor, MI 48104

Varun Rana

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education

UNIVERSITY OF MICHIGAN, ANN ARBOR

*Expected
Dec. 2018*

B.S.E. Computer Science Engineering
Minor in Statistics

- Data Structures & Algorithms
- Discrete Mathematics
- Web Databases & Information Systems
- Computer Organization
- Computer Security
- Introduction to Data Mining

work experience

TARGET

Jun.-Aug. '17

Software Engineering Intern

- Refactored code and wrote integration tests for APIs that support Target's supply chain (Java)
- Automated production change requests to system admins by manipulating the team's Drone pipeline.

BLUE CROSS BLUE SHIELD OF MICHIGAN

*May.-Aug.
'15-'16*

Business Analytics Intern

- Wrote SQL queries to gather user data for BCBSM's market research initiatives.
- Regression tested the BCBSM quoting tool to ensure 2016 business requirements were met.

projects

YELP++

Chrome Extension

- Standardizes Yelp ratings in a given search query and uses statistics to compare ratings with one's home city, providing more informed decision making. (Javascript, Python, HTML/CSS)

WEB DATABASES & INFORMATION SYSTEMS (EECS 485)

Photo Sharing Application

- Supports multiple users, password encryption, privacy configuration, and profile personalization. (HTML/CSS, Jinja2, Javascript, Python/Flask, SQL)
- Developed RESTful API to dynamically load user and photo data. (Python/Flask, JavaScript, SQL)

extracurriculars

THETA TAU - PROFESSIONAL ENGINEERING FRATERNITY

2017

President

- Overseeing operations of entire fraternity, working towards strengthening corporate relations, brother bonding, and alumni involvement.

UNIVERSITY OF MICHIGAN JAZZ LAB ENSEMBLE

2015-2017

Tenor Saxophone

- Studied traditional jazz big band standards and performed throughout the semester.

languages

PROFICIENT: C++, Java, Python, SQL, Git
BASIC: HTML/CSS, Javascript