

SUMEDHA MEHTA

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9201 Fox Hollow Trail

Irving, TX 75063

SKILLS

LANGUAGES: Java – JavaScript – HTML5 – CSS

DATABASES: Microsoft MySQL – Microsoft Access

PLATFORMS: Microsoft 7 – Microsoft 8 – Mac OSX.

EXPERIENCE

Computational Epidemiology Research Intern 5.2015 - present

Center for Computational Epidemiology and Response Analysis

- Responsible for using computational methods to analyze disease transmission through small-world graphs with the SIER model and calculate centrality measures to identify vaccination destinations.

Analytical Chemistry Research Intern 8.2013 – 3.2015

University of North Texas

- Co-Authoring 4 Publications in The Physics and Chemistry of Liquids: an International Journal
- Determined and developed new coefficients for 14 organic compounds and ionic liquids using computational and statistical methods using SPSS Software
- Regional Finalist for Siemens Paper Competition

STEM Mentor 6.2014 - 7.2014

Upward Bound Math and Science

- Mentored at-risk Denton high school students affiliated with the Upward Bound Math and Science Program while encouraging the STEM field. Guided the students' research project, which resulted in one scientific publication.

EDUCATION

Carnegie Mellon University 2015-2018 (expected)

- Computer Science B.S

Texas Academy of Math and Science 2013-2015

- High School Diploma + 70 hrs of college credit (4.0/4.0 gpa)