

Sumedha Mehta
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SUMMARY

- Computer Science Student seeking opportunities to change the world

SKILLS

Languages/Applications

- Proficient in: Java, HTML5, CSS3, JavaScript
- Database: Microsoft SQL Server and Microsoft Access
- Platforms: Microsoft 7, Microsoft 8, Mac OSX

Other

- Microsoft Word, Microsoft PowerPoint, Microsoft Excel, SPSS
- Able to communicate clearly and concisely, can promptly deliver work with no compromises on quality.

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

- Research mathematical and computational methods to predict chemical solubilities applicable to the human body
- Co-Author 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

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.
- Directed and guided the students' research project, which resulted in one scientific publication.

EDUCATION

Carnegie Mellon University

2015-2018 (expected)

- B.S in Computer Science, Minor in Political Science

Texas Academy of Math and Science (University of North Texas)

2013-2015

Denton, Texas

- High School Diploma along with 70 hours of college credit (4.0/4.0 GPA)