Sumedha Mehta
9201 Fox Hollow Trail Irving, Texas
4694497958
sumedha.mehta@gmail.com

SUMMARY

- Applying for a Google sponsored travel grant to the Grace Hopper Conference

---

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-Authored 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

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)