

Lucie Semone

(415) 992-2311 | lucies@email.unc.edu

Education

University of North Carolina, Chapel Hill - Gillings School of Global Public Health | Fall 2020-Present

- Master of Science, Department of Environmental Science and Engineering
- Relevant courses: Temporal GIS and Space/Time Geostatistics for the Environment and Public Health, Air Pollution Chemistry and Physics, Chemical Reaction Engineering , Probability and Statistical Inference I

Santa Clara University | Fall 2018- Winter 2020

- Major: Applied Mathematics
- NCAA Division I Cross Country and Track & Field
- West Coast Conference Commissioner's Honor Roll Bronze Honors
- Relevant courses: Numerical Analysis, Linear Programming, Advanced Linear Algebra, Advanced Calculus, Discrete Mathematics, Abstract Algebra, Probability & Statistics, Mathematical Finance, Physics

University of California, Los Angeles | Fall 2016- Spring 2018

- Major: Applied Mathematics
- NCAA Division I Cross Country and Track & Field
- PAC 12 All- Academic Honorable Mention
- Relevant courses: Ordinary Differential Equations, Differential Equations, Linear Algebra & Applications, Calculus of Several Variables, Introduction to Programming

Research

Air Quality in Texas | August 2020- Present

- Modeling of benzene and xylene in Texas with ArcGIS.

Water Quality in North Carolina | August 2020- Present

- Mapping E. coli and coliphage in North Carolina counties using well data.

Skills

- Strong math skills
- Competent in C++, Python, MATLAB
- ArcGIS