

THAM HUGHES

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QUALIFICATIONS PROFILE

Detail-oriented and thoughtful professional prepared to excel in the field of chemical engineering and contribute to organizational objectives.

- ♦ **Chemical Engineering:** Prepare water treatment plans for up to 6 million gallons of water per day. Develop water cleanup plan for nuclear reservation. Monitor and test air emissions and evaluate air pollution control processes. Develop physical and chemical methods for controlling air pollution. Utilize gas chromatography and dispersion modeling.
 - ♦ **Process Design:** Analyze plant and equipment needs. Contribute to and develop most economic and effective practices. Establish lab procedures; ensure compliance with EPA guidelines, environmental regulations, and emission standards. Design digital control systems.
 - ♦ **Computers & Administration:** Program in JavaScript and HTML and assist in Web site development. Utilize Windows-based PCs with various software: Matlab, Simulink, Equation Solvers, Lotus; Microsoft Office. Order lab equipment and supplies. Prepare technical reports and documentation.
 - ♦ **Key Strengths:** Finely tuned analytical and research skills with dedication to clear communication and presentations. Adept at maintaining an exceptional rate of productivity, accuracy, and efficiency; well organized and proficient with details.
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EDUCATION

Bachelor of Science Degree in Chemical Engineering (2012)

NEW YORK UNIVERSITY, New York, New York
Magna cum Laude Graduate, Academic All-American

Member, Society of Chemical Engineers, 2010 – 2012

EXPERIENCE HIGHLIGHTS

CITY OF NEW YORK, New York, New York

Air Quality Technician, 2012

As part of internship, conducted studies in air pollution control and designed spreadsheets in Excel. Measured levels of pollution and made recommendations to improve air quality, including written reports and public speaking presentations.

- Commended by City Manager for contributions to environmental improvement plan.

NEW YORK UNIVERSITY, New York, New York

Teaching Assistant, 2010 – 2011

Assisted professors in chemical and environmental engineering courses. Led small group discussions and answered student questions. Graded tests and assignments. Supervised students in lab. Provided instruction in use of software including Matlab, Simulink, Excel, and Word.

- Selected from 75 students to become a Teaching Assistant.

MANHATTAN COMPUTERS, New York, New York

Sales Associate (concurrent with education), 2008 – 2011

Sold computers, peripherals, and software. Answered technical questions from customers. Demonstrated use of systems and applications. Generated a strong referral business through quality service.

- Built stellar reputation for quickly and effectively resolving issues and ensuring customer satisfaction.