Ethan Rivera

Lab Intern

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SUMMARY

Chemistry student at the University of Houston, graduating 05/2027, with 2 semesters of part-time water lab work and a current QC lab internship at a polymer plant. Prepares samples, runs titration and HPLC methods under supervision, and records results in Microsoft Excel with careful attention to detail.

SKILLS

- **Titration**
- **HPLC**
- **Sample Preparation**
- **UV-Vis Spectroscopy**
- **Lab Safety**
- **Microsoft Excel**
- **Microsoft Office**
- **ISO 9001**
- **Attention to Detail**
- **Problem-Solving Skills**

EXPERIENCE

Lab Intern

05/2026 - Present

Bayport Polymer Solutions

Pasadena, TX

Quality lab internship at a polymer additives plant, full-time in summer and part-time this fall.

- Run titration and moisture tests on 25-30 production samples a shift and compare each result to spec.
- Build HPLC standards and sample preparation sets for 2 chemists, saving them about **4 hours** a week.
- Create Microsoft Excel control charts for 6 product lines that the QC team reviews each Monday.
- Perform weekly balance and pH meter checks and record them for ISO 9001 files.
- Analyze UV-Vis spectroscopy readings on dye additive samples, checking color strength against retained standards.

Lab Assistant (Part-Time)

09/2025 - 04/2026

Gulf Coast Water Analytics

Houston, TX

Part-time job at an environmental lab during the school year.

- Prepared 200 reagent and buffer bottles a week to written recipes.
- Labeled and logged 80 water samples a day against chain-of-custody forms.
- Sterilized glassware and kept the lab safety log current for 3 benches.
- Compiled weekly sample counts in Microsoft Office reports for the lab manager.

EDUCATION

Bachelor of Science

University of Houston

Chemistry

Houston, TX

05/2027

CERTIFICATES

Lab Safety and Chemical Hygiene Training

08/2025

University of Houston Environmental Health and Safety