

EDUCATION

Houston, TX	University of Houston	Aug 2017 – May 2023
B.S.E. in Chemical Engineering with Minor in Chemistry and Mathematics		GPA - 3.2

EMPLOYMENT

Engineering Intern	Pinnacle Reliability	June 2022 – Present
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- Automate data mining tasks with Python scripts.
- Developed Excel VBA to populate cells and extract data, increasing efficiency by 100%
- Communicate directly with client forming a professional relationship and bring attention to details missing within scope of work, leading to the client requesting I attend validation meetings.
- Optimized client project deliverable development by updating document analysis workflow resulting in 75% increased efficiency and cost savings of approximately \$20,000.
- Facilitated client validation meetings to review deliverables implementing feedback prior to final delivery.

Office Assistant	University of Houston Law Center	Aug 2020 – May 2021
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- Curated reports running data analysis in Excel on enrollment trends of law students over previous years.
- Improved efficiency of Excel projects by 50% through implementing a drop-down list to fill in data faster.
- Delegated projects amongst 2 coworkers to gather and verify 2,000 law students' information in the database.

Office Assistant	University of Houston Dean's Office	Aug 2018 – March 2020
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- Created an interactive Excel spreadsheet of fiscal year spending data; organizable by department or year.
- Developed Excel spreadsheet that calculates remaining work study pay and hours for the semester.

PROJECTS

Automated Email – Python, HTML, Linux/Ubuntu

<https://github.com/ajkrenek/Automated-email>

- Designed an automated email script that uses Reddit's API to query Reddit for comments, images, parse HTML on Tumblr for specified tags and embeds and formats the objects with HTML into an email.
- Object Oriented Programming allows modular inputs from user.
- Host script on a local server to execute daily using Linux, Ubuntu, and Git.

Django Web Application – Python, Django, HTML/CSS/JS, PostgreSQL, AWS

<https://andrewkrenek.space/>

- Simple blog web application, including web pages, PostgreSQL database, and cloud server to process data.
- Developed a dynamic webpage to view and modify data using Django backend and REST API framework.
- Hosted with Kubernetes and AWS S3 to serve static files and user uploaded media files.
- Wrote flexible queries which accepted user inputted search parameters.

TECHNICAL SKILLS

- Languages: Python, HTML/CSS/JavaScript, SQL, Java, C++
- Frameworks/tools: Django, Linux/Ubuntu, Git, AWS, React