

# Noah Guale

Website: [guale.io](http://guale.io)

LinkedIn: [linkedin.com/noahguale](https://www.linkedin.com/company/noahguale)

Email: [noahguale@gmail.com](mailto:noahguale@gmail.com)

Mobile: +1-847-868-4949

## PROFESSIONAL SUMMARY

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Versatile and detail oriented Software Engineer highly skilled in analyzing relevant information and guiding product cycle from conception to completion. Has a strong foundation in math, logic, and coding with a proven track of success in delivering all assignments within schedule. Experienced in developing automated test scripts, managing cloud computing platforms, and discovering potential software problems.

## EDUCATION

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- University of Illinois at Chicago** Chicago, Illinois  
*Bachelor of Science - Chemical Engineering* May 2022

## SOFTWARE EXPERIENCE

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- Ouway** Brooklyn, NY  
*Software Engineer, Head of Automation & Data Crawling (Full-time)* December 2021 - Current
  - Designed a web crawler to scrape over 50+ stores to extract accurate product, inventory, and location data for over 300,000 unique products
  - Experience in creating API wrappers to simplify interactions with store APIs and improve the overall software functionality and efficiency, resulting in streamlined data integration and enhanced user experience.
  - Analyzed and overhauled all existing scraping tools to increase efficiency and reduce unnecessary expenses - decreased code execution time by 91% and monthly expenses by 30%
  - Implemented a fully automatic serverless architecture using AWS Lambda to run over 50 + unique scripts daily
  - Managed relational database which contained data including key product information and accurate inventory for over 300,000 unique products in Amazon Aurora
  - Identified potential software problems, assisted in the overall project management, and pro-actively participated in weekly team meetings with the Application Development team
- 66degrees (formerly Cloudbakers)** Remote (Chicago, IL)  
*Software Engineering Intern, Application Development (Full-time)* May 2021 - September 2021
  - Developed a demo web application (Point-Of-Sale System) used for sales and client educational purposes to demonstrate 66degrees proficiency with application design and Google Cloud Platform's capabilities
  - Used Google Cloud Platform services including App Engine and BigQuery to deploy and manage the web app built using Python/Django
  - Implemented Looker Embedded Dashboards to the demo web application to show clients an interactive and highly curated data experience

## WORK EXPERIENCE

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- Nordstrom** Oakbrook, IL  
*Service Experience Administrator (Full-time)* October 2020 - May 2021
  - Helped the management team organize, administer, and execute high volume projects during peak season for customer traffic as part of the #1 ranked Service Experience department in the country across 102 store locations
  - Operated over 100 Point-Of-Sales systems and setup 45 Desktop Computers for the entire store
  - Assisted over 500 customers daily with an average of 2000 orders and took in \$3,000,00 worth of returns daily

## RESEARCH EXPERIENCE

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- Northwestern University** Evanston, IL  
*Research Intern - Department of Chemical & Biological Engineering - Amaral Lab* May 2017 - May 2018
  - Identified and analyzed mutation probabilities of the viral genome of Human Immunodeficiency Virus (HIV) using Python and the library BioPython to recognize high rates of mutations and functionality of the virus to help scientists target these portions using CRISPR/Cas9 and render the virus obsolete.
  - Developed a custom alignment tool that was used to analyze over 3000 genotypes of the virus

## SKILLS

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- Languages:** Python, MATLAB, HTML, CSS, JavaScript, C++
- Frameworks:** Selenium, Scrapy, Pandas, Django, Flask, NodeJS, React, Bootstrap, LaTeX
- Tools:** Git, PostgreSQL, MySQL, SQLite, Docker, Adobe Photoshop, Adobe Illustrator, AspenPlus
- Platforms:** Mac, Linux, Windows, Amazon Web Services, Google Cloud Platform