

Albert Yuan

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EDUCATION

Duke University, Durham, NC

Expected May 2023

B.S. in Computer Science, | GPA: 3.8 | Dean's List (2019, 2020)

Concentration in Software Systems

Minor in Chemistry

EXPERIENCE

Algorex Health Backend Software Engineer Intern

March 2021– August 2021

- Designed a semantic lake using Amazon AWS services including Athena, Glue, and S3
- Maintained and upgraded a data lake that processed and standardized multiple file formats
- Built a model to locate nearby public transportation stops for insurance members

PROJECTS

PickupBot

September 2020 – December 2020

- Set up a Flask web app to integrate with Slack APIs through webhook events
- Implemented an interactive form to organize sports events using Slack's Block Kit builder
- Collected and stored responses in a SQL database

NYC 311 Reports Statistical Analysis

September 2020 – December 2020

- Used R to quantify the impact of COVID-19 on report frequency
- Researched disproportionately distributed homelessness reports in the boroughs

SKILLS

Proficient in Python, Java, C, SQL, AWS Athena, AWS Glue, and AWS S3

Familiar with R, and Bash Scripting

Intermediate Chinese and Spanish

RELEVANT COURSEWORK

Data Structures and Algorithms, Software Design and Implementation, Introduction to Computer Systems

Discrete Math for Computer Science, Linear Algebra, Differential Equations