

Hrithvik Alex Venu

✉ halex623@gmail.com 🌐 hrithvikalex.me 🌐 /hrithvik-alex 🌐 /Hrithvik-Alex

Skills

C++ • Python • SQL • Scala • C • Javascript • React

Professional Experience

Jane Street, Software Engineer 08/2023 – present | NYC, New York
• Fixed Income Metadata

Jane Street, Software Engineer Intern 09/2022 – 12/2022 | NYC, New York
• Metadata team, Crypto team

Wolverine Trading, Software Engineer Intern 05/2022 – 08/2022 | Chicago, IL
• Overhauling an Order Execution reporting framework using **C++** to reduce creation speeds by **30%**
• Designing a Lua API to allow users to easily create reporting logic

Databricks, Software Engineer Intern - Ingestion 01/2022 – 04/2022 | San Francisco, CA
• Created and architected an archiving system for our data streaming service using **Spark** and Scala to save **millions** in storage costs for customers
• Contributed efficient column pruning to binary file formats in **Open Source** Spark, saving significantly on file read times

SeatGeek, Software Engineer Intern - Data Platform 05/2021 – 08/2021 | NYC, New York
• Implemented data integrity framework in **SQL** and Redshift, increasing initial detection of issues by **70%**
• Orchestrated data pipelines, warehouses and ETL processes with **Python**, Luigi, and dbt

Projects

C++ Arcade Game Engine

• Recreated arcade classics such as Breakout, Asteroids, and Pac-Man from scratch using C++ and SDL

Education

Computer Science, University of Waterloo, Bachelors 09/2018 – 04/2023 | Waterloo, Canada
3.91/4.0 GPA