SHREYA SHARMA

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EDUCATION

University of Illinois at Urbana-Champaign   Aug 2019 - May 2023
Bachelor of Science in Computer Science, James Scholar, Dean's List   GPA: 3.86/4.00

SKILLS & COURSES

Languages: Java, Scala, C#, C, C++, Python, Rust, Verilog, MIPS Assembly, HTML, CSS
Technologies: Apache Spark, Google Cloud Platform, .NET Core, PowerBI, Azure Cloud, SQL Server
Coursework: Data Structures, Algorithms, UI Design, Database Systems, Computer Architecture

WORK EXPERIENCE

Squarespace   New York, NY
Software Engineering Intern   May 2022 - Aug 2022

- Building an end-to-end batch data processing pipeline for 100 million+ events utilizing Spark RDDs and functional programming paradigms in Scala, increasing big data processing performance by 45%
- Designing ETL pipeline to be flexible for schema evolution and to provide a single input interface for data to increase accessibility for users at varying levels of technical understanding
- Enabling backfilling abilities to equip 50+ data scientists and product managers with the ability to perform holistic, data-driven discovery by building major feature that increases team impact by 25%

William Blair & Company   Chicago, IL
Software Development Intern   Jun 2021 - Aug 2021

- Developing enterprise reporting platform for PowerBI Dashboards utilizing advanced querying and aggregating that simplifies tenants and enhances Investment Banking and Private Wealth Management efficiency by 25%
- Implementing automated software in an Agile environment using C# and SQL Server that maintains real-time data accuracy, consistency, and security of PowerBI assets firmwide

Digital Forces Corporation   Plainfield, IL
Software Development Intern   May 2020 - Aug 2020

- Implementing accurate automatic license plate recognition software utilizing multilayered neural networks with PyTorch to automate the asphalt loading process for 100+ trucks per day, increasing efficiency by 35%
- Configuring multivariate regressions through analysis of data to increase accuracy of classifications to 99%

CAMPUS LEADERSHIP

SITE Director - Engineering Council   Aug 2019 - Present

- Past Positions: *Banquet Chair*, *Activities Chair*
- Managing a committee of 10+ members and delegating tasks to organize a week long orientation event meant to provide a realistic Grainger Engineering experience for 100+ incoming engineering students
- Coordinating with the Grainger Council of Presidents to carry out Engineering Council mission

Course Associate - CS 124/125 Intro to Computer Science I   Jan 2020 - Dec 2021

- Supervising and guiding 40+ computer science students through laboratory sessions of Object Oriented Programming in Java and Kotlin as well as Android Studio
- Engaging directly with CS 125 course instructor and graduate teaching assistant team to manage classes while providing individual help during office hours

Course Associate - CS 128 Intro to Computer Science II   Dec 2020 - May 2021

- Developing C++ curriculum with course instructor for pilot semester of second class in CS sequence
- Staffing discussion sections and running programming labs while hosting office hours for 35+ students

Other Involvement: Women in Engineering (*Communications Coordinator*), Pulse 2022 (*Marketing Chair*)