

Mollee S. Jain

Software Engineer

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EDUCATION

University of Southern California, Los Angeles, CA 2021 – present
Master of Science in Computer Science - Artificial Intelligence (May 2023)

Wellesley College, Wellesley, MA 2012 – 2016
Bachelor of Arts in Computer Science [Minor: Biological Sciences]

EXPERIENCE

Microsoft Corporation, Redmond, WA 2016 – 2021
Software Engineer II, Azure Data

- Developed Azure CLI experience for the Azure OSSDB Flexible Server offerings, improving default experience to reduce new server provisioning steps by 50%
- Presented Azure OSSDB and SQLDB innovations and features at Microsoft Ignite and Microsoft Ready conferences
- Investigated and [published](#) hyperparameter optimizations for Azure Open Source (OSS) Databases to improve as much as 10% in performance of read-heavy workloads
- Implemented intelligent performance offerings, including Query Store (QS), Query Performance Insights (QPI) and Performance Recommendations (PR), for Azure Database for MySQL and MariaDB. These features analyze the database to surface long running queries, wait statistics, and recommendations to improve query performance
- Owned and created the reporting section of Database Experimentation Assistant (DEA), an A/B testing and analysis tool for SQL migration scenarios

The Graybiel Laboratory, MIT, Cambridge, MA 2014 – 2016
Researcher & Data Analyst

- Created, edited, and debugged MATLAB scripts for analysis of neuroimaging data of the striatum and substantia nigra
- Analyzed and recorded the effect of neural stimulation on behavior using the cutting-edge technologies of optogenetics and calcium imaging
- Conducted maze experiments utilizing genetically engineered mice to collect data on reward-based learning

The Scripps Research Institute, La Jolla, CA 2013
Student Researcher Intern

- Implemented chi-squared analysis on genome wide associative sets (GWAS)
- Setup NovoAlign to analyze accuracy and performance of SNP-determining algorithms

SKILLS & INTERESTS

Languages & Libraries: C#, Python (OpenCV, Pandas, Numpy), MATLAB, SQL, Typescript

Technologies: Windows, Visual Studio & Visual Code, Azure, Git, Open Source

Volunteering: [Nuevo Foundation](#) (Co-founder & COO), Girls Who Code