

# Sai Bulusu

my github  
my linkedin

my personal site  
my email

## Education

### University of Wisconsin – Madison

*Undergraduate Student in CS and Mathematics*

Sep. 2018 – Present

*Madison, Wisconsin*

## Experience

### UW-Madison

*Undergraduate Researcher*

- Working for Professor Remzi Arpaci-Dusseau
- Learned Index techniques to predict a key-location in an array

Sep. 2020 – Present

*Madison, Wisconsin*

### Microsoft

*Software Engineer Intern*

- Part of the Azure CHIE Memory and Storage Team
- Wrote optimized queries using Kusto Query Language to pull Azure storage drives information
- Developed a dashboard using Power BI to show storage drives statistics for Azure's storage fleet
- Filtered relevant data using DAX

May. 2020 – Aug. 2020

*Redmond, Washington*

### McBurney Center

*Notetaker*

- Take detailed and organized notes for students with learning disabilities
- Upload notes in a timely manner on the day of each lecture

Feb. 2019 – Dec. 2019

*Madison, Wisconsin*

### Peeka VR

*Software Intern*

- Maintained and updated relevant information using AWS DynamoDB
- Primarily worked with constructing promo codes

Jun. 2019 – Aug. 2019

*Bellevue, Washington*

## Projects

**SMBIOS Parser:** Windows Command Line tool to parse the SMBIOS Table

**MapReduce:** Framework for MapReduce, which parses many large files using multithreading and locks

**File System Checker:** File system checker for the xv6 operating system

**Smash:** Shell that provides sequential and parallel commands, denoted by ; and respectively.

**Maskon-Maskoff:** Created a dashboard for an app that analyzes a picture of people during a pandemic and determines a safety score

## Technical Skills and Interests

**OS:** MacOS, Linux (Ubuntu), Windows

**Programming Languages:** C/C++, Java, SQL, Python, JavaScript

**Courses:** Operating Systems, Algorithms, Databases, AI, Machine Organization and Programming, Discrete Mathematics, Combinatorics

**Version Control:** Git

**Languages:** English, Telugu, French

## Extracurricular

**AZ-900:** Microsoft Certified - Azure Fundamentals