Yash Sharma

https://yashsharma.dev | tellsharmayash@gmail.com | 517.940.1787

EDUCATION

MICHIGAN STATE UNIVERSITY

BS in Computer Science
Aug 2016 - Dec 2020
East Lansing, MI
Minor in Cognitive Science & Philosophy
College of Engineering
Cum. GPA: 3.34 / 4.0

LINKS

GitHub:// yash1337
LinkedIn:// tellsharmayash

COURSEWORK

GRADUATE

- Distributed Systems
- Graph Theory

UNDERGRADUATE

- Operating Systems
- Computer Networks
- Compilers

SKILLS

PROGRAMMING

C# • Powershell • Python • KQL • C++ • Docker

EXPERIENCE

SOFTWARE ENGINEER | Microsoft

- Azure Engineering Systems | April 2021 – Present | Redmond, WA
  - Enabled Windows and Azure products to be secure and EO compliant by helping them migrate to the new **YAML** based build system
  - Tracked EO compliance in Windows code base by creating dashboards using **PowerBI** and **Kusto**
  - Improved live site health by updating documentation and participating in on-call rotation
  - Took ownership of custom build containers along with validation and deployment strategy to improve customer build experience
  - Authored internal tools to increase security and reliability in the build systems using **C#** and **Powershell** .

INTERNSHIP | Microsoft

- Microsoft Excel for the Web | May 2019 – Aug 2019 | Redmond, WA
  - Implemented user-facing features for Microsoft Excel for the Web by writing tests and showing a demo at the end of the internship
  - Used various full-stack technologies such as **C++, C#, HTML, CSS**
  - Helped improve technical documentation for Excel for the Web, Excel Native apps, and Excel Mobile apps teams by reading through older team Q&As
  - Created documentation for easy on-boarding for future hires and interns to the team
  - Collaborated with other interns during Microsoft's Hackathon 2019 on a **VR** project consuming **Hololens** to improve workplace productivity
- Azure Engineering System | May 2019 – Aug 2019 | Redmond, WA
  - Created an internal-facing tool to compare builds from different build systems
  - Improved the reliability of the new build system by creating a differentiation algorithm for builds
  - Helped improve technical documentation for the newer build system
  - Created documentation for easy on-boarding for future hires and interns to the team

TEACHING ASSISTANT | Dept. of Computer Science and Engineering

- CSE 480 (Database Systems) | Jan 2019 – May 2019 | East Lansing, MI
  - Helped create homework assignments that tested database concepts for 200+ students.
  - Held consulting & office hours weekly, assisting students with specific difficulties in class and projects.
- CSE 231 (Python Programming) | Aug 2017 – May 2020 | East Lansing, MI
  - Solely responsible for a section of 22 students in a weekly laboratory focusing on Python programming.
  - Graded weekly projects that tested and expanded students' ability to design and implement algorithms in Python.

PROJECTS

SPARTAHACK API | GitHub Link
June 2018 – June 2019
Lead a team of 3 web developers to port the existing SpartaHack API from **Ruby on Rails** to **Python** . The API serves as an endpoint for user registration, authentication, and application processing as well as managing content for mobile applications and website regardless of their tool stack. The API uses **Flask** to handle routing and **Postgress** as a database to store user data. **SQLAlchemy** used as an ORM to interact with the database. Updated the API to incorporate **OAuth** for SpartaHack VI.

LEADERSHIP

SPARTAHACK 2019, 2020 | Website
Feb 2018 – August 2020
As a **Co-Director** for SpartaHack 2020, managed helped a team of 18 members. Was personally responsible for overseeing teams responsible for Tech, Logistics and Marketing to facilitate smooth execution of the event.
As a **Tech Director** for SpartaHack V, I performed DevOps and SysAdmin jobs to facilitate deployment of SpartaHack API and website. Also implemented Gavel, HackMIT's project expo judging system, to facilitate judging for the hackathon projects.