Shivangi Agarwal

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SUMMARY

Experienced software designer looking for an opportunity to expand frontend and backend software skills to explore career paths and add value to the company's bottom line.

EDUCATION AND ACTIVITIES

- **B.S., Software Engineering**
  San Jose State University, San Jose, CA – GPA 3.72   Anticipated May 2019
- **Consultant,** Network for Energy and Environment Development, 2017 to Present
- **Member,** Society of Women Engineering (SWE), 2015 to Present
- **Volunteer**, SWE Nexters Ambassador, 2016 to Present
- **Spartan Hacks**, Attended Hackathon Camp, 2016

TECHNICAL SKILLS

- **Programming languages:** Java, C++, Python, Ruby, HTML, CSS, JS, Bootstrap, SQL
- **Frameworks:** Ruby on Rails, Django
- **Others:** Gantt chart, UML, SQLite, SolidWorks, GitHub, MS Office

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object Oriented programming
- Introduction to Database Management

EXPERIENCE

Research Assistant, *SJSU July 2017 to Present*

- Working closely with other research assistants under the guidance of Dr. Favaro to conduct research related to autonomous driving, and hazard levels of collisions in off-nominal situations

Math Tutor, *SJSU, August 2016 to Present*

- Provide tutoring to students in variety of topics including Calculus and Discrete Mathematics
- Assist students with diagnosing and resolving problems

PROJECTS

Mini Safeway, SJSU   **September 2016 to Present**

- Leading and managing a team of seven people as a project manager
- Building a website similar to safeway website
- Technologies used: HTML, CSS, Javascript, Django, Python, SQLite
- Available on - https://github.com/AShivangi/SuperiorSkillException

Classify, SJSU   **September 2016 to December 2016**

- Created a website using Ruby on Rails for college students to review courses and professors, and upload study materials
- Gained business acumen, strong marketing and teamwork skills
- Technologies used: Ruby, Rails, SQLite
- Available on - github.com/AShivangi/Classify

Complexity, SJSU   **November 2016**

- Multiplies two mazes of many different sizes using regular multiplication and strassen algorithm to calculate the complexity of each algorithm in Java
- Available on - github.com/AShivangi/MazeSolver

Robot, SJSU   **May 2016**

- Developed a robot to sense infrared signals and move towards it
- Coded the robot to turn off a beacon, find another one with different frequency and bring it out of the arena
- Available on - https://www.youtube.com/watch?v=9uLJYNnjHbo