SONIA JETHWANI

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OBJECTIVE

Innovative and ambitious **Computer Science student** with experience in **research**, **hackathons**, and the **corporate** world. Willing to take on the challenges of a **fast-paced tech environment**. *Searching for a **Software Engineering Internship** to get hands-on experience and implement new knowledge.*

EDUCATION

Bachelor of Science Degree in Computer Science | University of Virginia
2021 – 25
RELEVANT COURSEWORK: **DATA STRUCTURES AND ALGORITHMS I & 2**, COMPUTER SYSTEMS AND ORGANIZATION, SOFTWARE DEVELOPMENT ESSENTIALS, **ADVANCED SOFTWARE DEVELOPMENT**

EXPERIENCE

Engineering Design Intern | M.C. Dean
JUN – AUG 2022
Served as **Lead Engineer** for 3 projects with companies: **Proctor and Gamble, Meta, QTS (Microsoft)** – design experience with AutoCAD, SKM, ETAP, AGI/ElumTools, and more

Teaching Assistant – Data Structures and Algorithms and Linear Algebra | University of Virginia
AUG 2022 – PRESENT
Held office hours, graded assignments, and collaborated with professors in creating class material

Coding Instructor | The Coder School
SEPT 2019 – AUG 2021
Taught students (K-12) Python/Pygame/Javascript/Java/Scratch; hosted Robotics summer camps

Lead Researcher| Academy of Science
Developed a DARPA's disaster robot by creating a decentralized robotic swarm capable of mapping a disaster site using lidar maps and Simultaneous Localization and Mapping algorithms

SKILLS

- Java/Python/**R**/C/C++
- **SQL/**JSON/XML
- FXML/JavaFX
- JUnit/Mockito/Test-Driven Development
- Matlab
- **Agile/Scrum**
- Django
- Linux/Ubuntu/Windows/IOS
- Microsoft Office
- Communication and Professionalism
- **HTML/CSS/Bootstrap**
- **Data Visualization**

PROJECTS/ACHIEVEMENTS/

- JAVA Oracle Certified Associate (Java SE 8 Programmer) – in progress
- Portfolio Website (React)
- AI Powered Tutor for UVA Students (React, Postgres, OpenAI) – in progress
- Using OCR to Scan Tags in Power Onelines PDF (M.C. Dean)
- 2nd Place Google Cloud Award at HooHacks 2022 Hackathon, created a **program** to Detect Fake News Using Sentimental Analysis
- Honorable Mention from **National Center for Women in Technology**
- Active member of **Girls Who Code**
- STEM Governor's School
- **SCRUM Master** leading a team of 5 on a Schedule Advisor web application to **improve UVA's Student Information System**
- Created the **GUI** for Wordle Game using **FXML/JavaFX**
- Created **Backend** and **GUI** for a Course Review Database using **SQL** and **FXML/JavaFX**