Lauren Horton

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OBJECTIVE: To obtain a part-time position in the engineering industry.

EDUCATION: **Southern Methodist University**   Dallas, TX
Bobby B. Lyle School of Engineering   Expected Grad Date: May 2022
Bachelor of Science in Computer Science with Cyber Security Specialization   GPA: 3.66
Minor in Physics

RELEVANT COURSES: Introduction to Engineering Design, Principles of Computer Science I, Introduction to Mechanical Physics, Discrete Computational Structures, Programming Concepts, Electricity and Magnetism Physics, Modern Physics, Programming Languages, Information Security and Assurance

SKILLS: MS Windows, Excel, Word, PowerPoint, Java, C++, JavaScript, HTML, CSS, Bootstrap, Wix, Google Sites, Docs, Sheets, Slides

ENGINEERING PROJECTS:

Graphical User Interface   Fall 2020
- Worked with a team comprised of GUI students and Database students in a SCRUM framework
- Developed a website for the assigned Product Team, using database, rest API, and user interface skills
- Managed the assigned Development Team, creating and defining the product backlog and vision

Programming Languages   Spring 2020
- Studied and implemented different programming languages like SQL, Prolog, and JavaScript
- Discussed the evolution and development of languages to gain a deeper insight into how each one works
- Created own parser generator using JavaScript to define a Type-2 grammar

Data Structures   Fall 2019
- Learned to build and manipulate the data structures that form backbone for C++ language
- Collaborated with fellow students for mutual benefit and education
- Performed in sprints and participated in mock technical interviews to recreate real-world scenarios

Introduction to Engineering Design   Fall 2018
- Designed a robot to successfully navigate an obstacle course
- Partnered with other students to develop new skills, such as electrical, mechanical, and civil engineering
- Prioritized time, planned development of robot, and reevaluated goals at every meeting

EXPERIENCE:

SMU Physics Department, *Teaching Assistant,* Dallas, TX   Spring 2019
- Assisted the professor with teaching class, performing in experiments, answering questions, and grading tests
- Hosted office hours outside of the professor's and other Teaching Assistant's to provide maximum support for the students in the class

SMU Cox Business Library, *Student Assistant to the Librarians,* Dallas, TX   Fall 2018
- Assisted librarians with inventory, restocking, and reshelving
- Assisted students with software in printing, Bloomberg and business-specific programs
- Maintained state of library

Website Building, *Built Website for Dr. Vishal Ahuja at SMU*, Dallas, TX   Oct. 2018
- Assisted him in designing website
- Built website using Google Sites, adding links to his research, CV, media, and other materials

ACTIVITIES: SMU Cyber Security Club, member   **AWARDS:**   SMU Discovery Scholar
SMU Lyle Ambassadors, member   SMU Distinguished Scholar
Crum Commons Council, President