

Shelby Cumings

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EDUCATION

Texas State University

Graduation Dec 2025

Pursuing B.S. in Computer Science and B.S. in Psychology

Overall GPA: 3.5 **Honors:** Dean's List Spring 2023, Dean's List Fall 2023

Relevant Coursework: Foundations of CS, Assembly Language, Computer Architecture, Computer Networks

- Data Structures & Algorithms
 - Developed understanding of fundamental data structures such as arrays, linked lists, queues, hash tables, and trees
 - Analyzed and implemented key algorithms such as searching and sorting algorithms
- Object-Oriented Design & Programming
 - Applied knowledge of GUI design to design and implement user interfaces
 - Refactored existing projects to more effectively implement SOLID principles
- Software Engineering
 - Gained proficiency in Scrum framework and applying Agile principles to enhance efficiency
 - Led daily stand-up meetings, sprint planning sessions, and sprint retrospectives to analyze project progress
 - Collaborated with a team of developers to collectively design, develop, troubleshoot, and optimize a complete application
- Internet Software Development
 - Developed proficiency in HTML/CSS, Javascript, and web-based application tools
 - Implemented readable and maintainable practices for IoT applications and tools
- Computer System Security
 - Worked with a team to evaluate real-world security risks and design solutions
 - Developed knowledge of penetration and interception techniques in networks
 - Observed network/device functioning and implemented security features

INTERNSHIP EXPERIENCE

Dell Technologies

May 2020

Software Engineering Intern

Austin, TX

- Utilized engineering process to evaluate internal web development issues
- Collaborated with team of peers to develop solutions for web standardization
- Presented potential solution and implementation details to engineering team

Lewis-Peacock Lab at UT Austin

June 2018

Neuroscience Laboratory Intern

Austin, TX

- Communicated regularly with team members via Slack and lab meetings
- Assisted team members with experimental design by testing evaluation measures
- Worked with graduate student mentors to expand practical knowledge and skills

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Python, C#, HTML/CSS.

Other Frameworks & Technologies: Web Development, Computer System Security, Web Scraping, RESTful API, React, Firebase, Agile/Scrum Framework, Jira, Sprint Planning/Review, Git/GitHub, Visual Studio, Linux, Unit Testing