

# Brayden Simic

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## EDUCATION

**University of Central Oklahoma, B.S. in Computer Science**, GPA: 3.78 / 4.0

*Expected Graduation: May 2026*

**Honors:** *President's Honor Roll*

**Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Operating Systems, Programming Languages, Computer Architecture, Linear Algebra

**Rose State College, A.S. in Mathematics**, GPA: 3.83 / 4.0

*Aug 2022 - May 2024*

**Honors:** *President's Honor Roll; Vice President's Honor Roll (3x recipient)*

**Relevant Coursework:** C++ Language, Discrete Structures, Calculus III

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, React, CSS, HTML, C++, SQL, Python, C#, Tailwind CSS

**Frameworks & Tools:** .NET, ASP.NET, SQLite, Firebase, GitHub, TensorFlow, VS code, Visual Studio

**Core Skills:** Data Structures & Algorithms, Object-Oriented Programming, Debugging, UI/UX Design

**Micro-Credentials:** Java GUI and Software Design, Raspberry Pi and Cloud Web Interface, Computer Architecture and Assembly Language Programming, Digital Logic Design

## PROJECTS

**FlickPick:** Movie App | *JavaScript, React, CSS, HTML* | [GitHub](#)

- Built a dynamic, client-side movie app using **JavaScript**, consuming a **REST API** to display **real-time** movie listings
- Integrated a **persistent state layer** using **backend database** to store user favorites and maintain data across browser sessions
- Implemented **advanced search**, filtering, and categorization features exploring various movie segments

**Mask Detection System** | *JavaScript, Python, HTML, Firebase, TensorFlow, Raspberry Pi*

- Designed and implemented a **real-time detection system** using a **Raspberry Pi** and a **custom AI trained model** with **Teachable Machine**
- Integrated **TensorFlow** to run model interface locally on the Pi and controlled LEDs based on detection output
- Connected the system to **Firebase** to **sync** detection status with a **web application** built using **JavaScript**
- Enabled **real-time feedback** in mask compliance via both physical indicators and a browser dashboard

**MyGarage:** Vehicle Management App | *SQL, C#, .NET* | [GitHub](#)

- Developed a **Windows Forms application** to store vehicle and service record data using **SQL Server**, featuring **dynamic UI** elements and **persistent storage**
- Implemented dynamic form controls, **SQL parameterized queries**, and **error handling** to ensure secure, reliable user input and **seamless data interaction**

## WORK EXPERIENCE

**HTML & CSS Tutor** | *Varsity Tutors*

*Aug 2025 – Present*

- Delivered one-on-one tutoring sessions in computer science fundamentals and web development, focusing on **HTML** and **CSS** concepts
- Developed unique lesson plans tailored to individual student goals and learning styles, improving student performance by up to **30%**

## VOLUNTEER EXPERIENCE

**Volunteer Math Tutor** | *Self-Initiated*

*Aug 2023 – May 2025*

- Provided personalized one-on-one tutoring in mathematics to high school students, focusing on foundational concepts and problem-solving techniques
- Achieved an average **improvement of 15-20% increase** in student test scores through individualized teaching strategies and progress tracking
- Led tutoring sessions by setting clear learning goals, breaking down complex topics, and applying **critical thinking**, **communication**, and **leadership skills**