

# Kale R. Sinclair

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## Education

<b>Florida State University</b> , Tallahassee, FL	<i>Aug 2024 - May 2027</i>
• Bachelor of Science in Biomedical Engineering	

<b>Northwest Florida State College</b> , Niceville, FL	<i>May 2023 - May 2024</i>
• Associates of Arts in General Studies	

## Engineering & Project Experience

<b>Team Lead - Haz-Watch Fracturing Chemical Dosimeter</b>   <i>FSU BMES Project</i>	<i>Aug 2025 - Present</i>
• Designed wearable dosimeter detects harmful chemicals emitted near hydraulic fracturing sites.	

- Conducted chemical compatibility research, conceptualized absorbent layer design, and developed a cost analysis for production.
- Produced detailed sketches and early prototypes, initiated planning for future funding and development.
- Collaborated with a two-person team with goals to enhance PPE and environmental monitoring practices.

<b>Medtronic/BMES Student Design Competition</b>	<i>Aug 2025 - Present</i>
• Entered early design phases; unable to continue due to lack of BMES funding. Demonstrated initiative by self-starting a related independent project.	

## Leadership Experience

<b>Haz-Watch Personal Dosimeter</b>	<i>2025 - Present</i>
• Organized team meetings, set research direction, and led planning for future funding.	

<b>Beine Award</b>	<i>2020-2021</i>
• Awarded for excellence in character, leadership, academics, and athletics.	

<b>Salvation Army</b>   Christmas Day Family Feast	<i>2012-2017</i>
• Served meals and distributed clothing and gifts to individuals and families in need each Christmas.	

<b>Sport Event Volunteer</b>	<i>2014-2022</i>
• Supported local wrestling events with setup, concessions, and cleanup.	

<b>Wrestling Team Captain</b>	<i>2020-2021</i>
• Led team to first-ever semi-final appearance at state competition; helped defeat higher-ranked teams.	

## Experience

<b>PT Solutions Physical Therapy</b>   <i>Therapy Tech.</i>   <i>Fort Walton Beach, FL</i>	<i>Feb 2023 – Present</i>
• Innovate/rework excel patient charge sheets to increase efficiency, while complying with HIPPA.	

- Aiding therapist specialty tasks, from lifting patients to operating/retrieving medical devices for patient care.
- Communication with families during/after emergencies while responding with the best aid I can provide for my team.

<b>Jackson Hewitt</b>   <b>Professional Tax Preparer</b>   <i>Tallahassee, FL</i>	<i>Dec 2024 – Present</i>
• Utilized advanced tax software for accurate filing and client education.	

- Resolved IRS issues and expanded clientele through outreach and effective communication.

## Skills

<b>Software:</b>	<b>Equipment:</b>	<b>Training:</b>	<b>Memberships:</b>
<ul style="list-style-type: none"><li>• Python</li><li>• C++</li><li>• MATLAB</li><li>• Java</li><li>• HTML</li><li>• MS Excel</li></ul>	<ul style="list-style-type: none"><li>• Sara Steady</li><li>• Hoyer Lift</li><li>• Soldering</li><li>• Car</li><li>~Oil/Filters/Breaks/Tires</li><li>• Home Repair</li><li>• PC/Laptops</li></ul>	<ul style="list-style-type: none"><li>• Basic Life Support Valid-2027</li><li>• Process Safety Ethics 1-Credit [PDHs]</li><li>• Professional Tax Preparer Certificate w/PTIN</li></ul>	<ul style="list-style-type: none"><li>• USA Boxing License</li><li>• Gainz Boxing Club</li><li>• Biomedical Engineering Society</li><li>• Generational Relief in Prosthetics</li><li>• National Society of Black Engineers.</li></ul>