

ALEXZANDER DAVIDSON

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EDUCATION

University of Alabama College of Engineering

Tuscaloosa, AL

B.S. in Electrical Engineering (GPA: 3.53/4.00)

May 2027

Minors: Robotics and Mathematics

Relevant Coursework: Electric Circuits, Electronics I, Signals and Systems, Digital Logic, Control Systems, Microcomputers, Statistical Methods, Operations Management

Manderson Graduate School of Business

Tuscaloosa, AL

Master of Business Administration, STEM Path to MBA (GPA: 3.67/4.00)

May 2028

EXPERIENCE

Safran Defense & Space, Inc.

Norcross, GA

Engineering Intern | Product Systems & Automation

May – Jul 2025

- Expanded assignment into end-to-end diagnosis of merger-disrupted product-update workflow, interviewing engineers, technicians, compliance leads, and managers to document missed handoffs, export-control requirements, and versioning rules, producing software requirements for secure, controlled update distribution across portfolio of 100+ products
- Built scripts and software routing updates for 100+ products, replacing manual tracking with version control and employee/customer alerts, clearing year-long backlogs and reducing end-to-end update cycle time by approximately 70%
- Launched secure update portal aligned with export-controlled distribution requirements, bringing update workflows to full audit readiness and improving missed-change detection metric versus pre-implementation by approximately 75% overall

UA Tikkun Olam Makers (TOM)

Tuscaloosa, AL

Co-President (formerly Lead of Innovation)

Jan 2025 – Present

- Directed nine multidisciplinary assistive-technology teams through user requirements, weekly design sprints, and prototype reviews with users with disabilities, downselecting 25+ concepts into nine developed prototypes per semester
- Coached teams on product requirements, technical storytelling, and demonstration readiness through monthly workshops and mock reviews, contributing to three finalist placements for assistive-technology teams in innovation competitions

PROJECTS

Motion+ LLC

Tuscaloosa, AL

Co-Founder & Chief Technology Officer

Jan 2026 – Present

- Co-created U-Clamp to connect manual wheelchairs with consumer scooters, linking tube measurements to SolidWorks models and design tables for customized 3D-printed parts and building initial prototype using only \$25 in materials, with three-person design team earning \$2.5K through 2025 TOM Global Innovation Challenge Daily Living Grand Prize
- Partnered with UA Adapted Athletics, program with 23+ national titles, on U-Clamp prototype development, translating wheelchair-user feedback into fit and usability requirements and defining pilot evaluation across users, wheelchair and scooter configurations, and environments, securing confirmed pilot commitment contingent on required safety testing
- Co-founded Motion+ around four mobility upgrades and four provisional patent applications, uniting products that swept Big Ideas' first-fourth places (\$11.5K), winning Aldag's first-place Alabama Power Foundation Innovation Technology Award (\$5K) and Sloss Tech second place (\$10K), bringing total team non-dilutive funding to approximately \$40K

HiThinkr | European Innovation Academy

Porto, Portugal

Co-Founder & CEO

Jul 2025

- Led five-person international team through three-week sprint to prototype AI mini-games for critical-thinking practice, translating 42 interviews into evidence-backed product thesis, product requirements, and three prioritized gameplay loops
- Ran promotional tests across several outreach channels, primarily word of mouth, directing website visitors toward prelaunch waitlist for HiThinkr's first games and generating 430 signups at 31% visitor-to-waitlist conversion rate
- Pitched HiThinkr's critical-thinking game concept, 42-interview customer evidence, and launch-test results to 500+ business leaders, earning team placement among Top 10 of 60+ ventures and winning Nixon Peabody Trademark Award

TECHNICAL SKILLS

- Engineering:** SolidWorks, parametric CAD, Excel design tables, custom-fit part generation, print-ready STL workflows
- Prototyping:** 3D printing, rapid prototyping, design iteration, prototype reviews, functional prototype fabrication
- Product:** Customer discovery, requirements definition, product prioritization, workflow mapping, process automation