

Pruett Fedorowicz

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EDUCATION

Vanderbilt University

B.S. Computer Science, B.A. Applied Math; Minor in Engineering Management

Expected May 2028

Nashville, TN

- **GPA:** 3.91 / 4.00 (Dean's List all semesters) | **ACT:** 34 (Math: 36)
- **Organizations:** Theta Tau, Vanderbilt Institute of National Security, Dore for a Day Ambassador
- **Relevant Coursework:** Data Structures, Algorithms, Intermediate Software Design, Computer Architecture, Linear Algebra, Differential Equations, Applied Behavioral Science, Technology Strategy

PROFESSIONAL EXPERIENCE

York Space Systems

Software Engineering Intern (Simulation, Integration, & Test)

May 2025 – Aug 2025

Austin, TX

- Built full-stack data visualization tool for spacecraft test KPIs, used daily by 100+ engineers & managers
- Developed API (25+ endpoints), MongoDB backend w/ filtering & sync (~2s/10k docs), React/Grafana dashboards
- Created scalable, real-time test data pipelines supporting 21+ Tranche 1 satellites during pre-launch operations
- Designed system architecture & coordinated cross-department meetings to align infrastructure

Vanderbilt Fusion Project

Reactor Engineer

Sept 2024 – May 2025

Nashville, TN

- Selected for Helios Mk. I reactor engineering team, contributing to IEC fusion reactor design research
- Developed 10+ computational physics models using Python & OpenMC to simulate reactor & test new geometry

Waterwashed - A Powerwashing Business

Co-Founder, CFO, CTO

June 2022 – Aug 2024

Austin, TX

- Built branded online request form w/ scheduling; increased customer inquiries by 120%
- Formulated end-to-end sales process, including bid-generation models & automated revenue sharing w/ Excel
- Supervised 15+ job sites, interfaced directly with clients to define scope, price services, & ensure delivery quality

PROJECTS

Pupil Planner - Productivity App

Product Manager, iOS Software Engineer, Data & Systems Architect

Mar 2024 – Present

[Download on iOS](#)

- Owned product lifecycle; ran 10-user beta, built Figma mockups, defined MVP scope & roadmap from user feedback
- Published on App Store; drove 100+ downloads through incremental releases & ongoing UX refinements
- Built MVVM architecture w/ CoreData to manage CRUD operations & ensure data integrity

Custom Lego McLaren - Embedded Systems & Cyber-Physical Design

Embedded Systems Engineer, CAD Designer

Dec 2022 – Mar 2023

[View Project on GitHub](#)

- Designed motor mount & axle coupler in Fusion 360; integrated 3D-printed parts w/ motor, chassis, & electronics
- Developed mobile app w/ HM-10 Bluetooth receiver, enabling responsive real-time driving & system feedback
- Implemented Arduino firmware & circuitry for precise motor control, stable power delivery, & sensor integration

LEADERSHIP

Theta Tau Engineering Fraternity

Vice President (Vice Regent), Pledge Class President

Nov 2025 – Present

Nashville, TN

- Led internal chapter ops for 120+ members; elected & oversaw 25+ officers across recruitment, service, events
- Coordinated professional development events with the Oracle, Boring Company, U.S. Air Force, McKinsey & Co.
- Managed \$35K budget, drove highest member participation in 10+ yrs; stepped in as acting President

Student Senate - St. Andrew's Episcopal School

Student Body President (12), Student Body Vice President (11)

Aug 2020 – May 2024

Austin, TX

- Oversaw 35+ student clubs, ran weekly senate meetings, & directed officers while representing student interests
- Led planning for 15+ events, coordinating venues & budget, setting ticket sale records under COVID protocols

SKILLS & INTERESTS

Languages: C++, Python, Java, Swift, JavaScript/TypeScript (React), Bash, RISC-V

Tools/Frameworks: REST API, Docker, Git, CI/CD, Jira, MongoDB, Grafana, Fusion 360, Figma, Tableau

Interests: Cowboy Boots, NFL Scorigami, Robotics & Embedded Systems for Space/Defense, Formula 1, TV Graphics