Brigham Pettit

Dallas, TX
Texas A&M Honors Computer Science, Class of 2025
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EDUCATION

Texas A&M University, College Station, TX
Bachelor of Science in Computer Science, May 2025
Minor in English
GPA: 4.0

SKILLS

Languages:	C++, C#, PHP, Java, Ruby, Python, Go, HTML, CSS, JavaScript, TypeScript, Haskell
Frameworks:	React, Angular, Ruby on Rails, Vue
Methods:	Trained in Agile project management, stakeholder management, and Git hygiene
Tools:	Docker, Postman, RSpec (Unit Testing), GitHub Actions (CI/CD), GNU/Linux
AI skills:	Time-series analysis, semantic encodings, unsupervised learning, model fine-tuning
AI models:	LLM, BERT/RoBERTa, Transformers, hierarchical clustering

WORK

Paycom Software, Inc., Dallas, TX
Software Developer, July 2025 – Present
- Maintained, tested, and developed a modernizing legacy codebase in a PHP + React ecosystem
- Coordinated between teams to reach alignment and deliver quality to the customer
- Prioritized composing clean, readable, and maintainable code through peer code review and independent study

Frogslayer, College Station, TX
Junior Developer, March 2024 – August 2024
- Collaborated in an Agile team environment to develop and maintain an evolving Web application
- Designed, tested, deployed, and managed .NET applications for robust data flow between third-party APIs

Math Learning Center, Texas A&M University
Instructor, January 2024 – March 2024
- Assisted students in calculus and related math topics

RESEARCH

Sketch Recognition Lab, Texas A&M University
Research Assistant, Fall 2024, Spring 2025
- Honors thesis: developed novel, ethical system for emotion analysis using semantics-driven cognitive modeling
- Co-authored 3 papers on anomaly detection and emotion prediction in physiological data using deep learning

PROJECTS

Coursework
IPELINT Computer Science Capstone, Spring 2025
- Developed an AI solution to predict United States Patent rejections with 95.1% accuracy
- Monitored and mitigated ethical and stakeholder risks throughout project as Risk Manager
- First Place in Computer Science at 2025 Texas A&M Engineering Project Showcase

Software Engineering, Fall 2024
- Product Owner: Developed Ruby on Rails web application for a real-world client in an Agile team

Programming Studio, Fall 2023
- Designed and implemented Web and Java-based applications highlighting accessibility and user experience

Personal
Wordle Solver, 2022
- Wrote Python script to solve New York Times' "Wordle" puzzle to streamline personal puzzling habit

ACTIVITIES

The Eckleburg Project (Literary Journal)**,** Texas A&M University, 2022 – 2025
Editor in Chief, 2023 – 2025
Head Staff Writer, 2023 – 2025

Honors Student Council, 2021 – 2025

AWARDS

Texas A&M Dean's Honor Roll (4 semesters), 2021-2023
National Merit Scholarship Recipient, 2021
Eagle Scout Award, 2019