

Brandon Yuan

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EDUCATION

Texas A&M University <i>Bachelor of Science, Computer Science</i>	Expected May 2027 GPA: 3.77/4.00
<ul style="list-style-type: none">Honors: Craig and Galen Brown Engineering Honors, Dean's Honor RollRelevant Coursework: Data Structures & Algorithms, Machine Learning, Cloud Computing, Computer Systems, Computer Organization, Software Engineering, Data Analytics & Cybersecurity, Competitive Programming	

EXPERIENCE

SailPoint <i>DevOps Engineer Intern</i>	Jun 2026 – Aug 2026
<ul style="list-style-type: none">Incoming Summer 2026 (DevOps & Cloud Infrastructure Team)	
DigiCert <i>Product Development Intern</i>	May 2025 – Aug 2025
<ul style="list-style-type: none">Built Flask microservices automating image verification & signing with C2PA, maintaining <500ms response timesDesigned manifest signing pipeline with validation, hashing, PS256 timestamps, and COSE signature embeddingDeployed WordPress plugin authorizing 100+ WooCommerce vendors to image signing services via REST APIsParsed manifest chains to display EXIF metadata, device identifiers, and image provenance to customersCreated browser extension to verify C2PA credentials, expanding authentication ecosystem beyond WordPress	
Texas A&M University <i>ML Research Assistant</i>	Aug 2024 – May 2025
<ul style="list-style-type: none">Trained multiple models to predict employee absenteeism in construction workforces, achieving R^2 of 0.82Built unified time-series schema from 8 companies, reducing ETL runtime by 50% across 4.9 million hours of dataLed feature engineering for commute time & weather with historical data, boosting model performance by 4%	
Aggie Coding Club <i>Projects Officer</i>	Sep 2023 – Present
<ul style="list-style-type: none">Mentored PMs from 20+ active projects via workshops & check-ins, achieving 85% project completion rateAutomated workflows with Python scripts, assigning 200+ students to projects & creating Discord channels	

PROJECTS

Rerouted <i>Next.js, React Native, FastAPI, Ray, Pydantic, AWS Lambda, Socket.io</i>	
<ul style="list-style-type: none">Engineered a crew assignment engine for flight disruptions, maximizing coverage while validating FAA regulationsBuilt optimization pipeline to evaluate 80,000+ scenarios for 600+ flights, parallelized across 8 AWS workersDeveloped WebSocket infrastructure, supporting a real-time flight map & mobile app notifications for airline staff	
Class2calendar <i>React.js, Supabase, Prisma, Stripe, Google APIs, Turborepo</i>	
<ul style="list-style-type: none">Built a web extension to sync ICS feeds to Google Calendar & Tasks, won "Best Learning-Focused Project" at ACCOptimized Google API calls via local file processing, event hashing, & user storage, cutting sync overhead by 90%Integrated Google OAuth 2.0 with silent session persistence & edge-based logic, supporting multiple accounts	
Periph4all <i>Next.js, FastAPI, Docker, Groq, Sentence-Transformers, scikit-learn, BeautifulSoup</i>	
<ul style="list-style-type: none">Built an AI chatbot to recommend gaming mice via semantic embeddings, placing 7th at TIDALHack2025Scraped & normalized pricing across retailers, filtering 1000+ mice to 175 products based on data availabilityImplemented 384-dimensional semantic search with UMAP visualizations, processing queries in <2 seconds	

TECHNICAL SKILLS

Languages: Python, Java, C++, C#, TypeScript, JavaScript, Bash
Frameworks & Libraries: React, Next.js, Node.js, Express, FastAPI, PyTorch, OpenCV
Tools: Git, Linux, Docker, Kubernetes, Terraform, PostgreSQL, MongoDB, Supabase, AWS (EC2, S3, Lambda, IAM)