

EDUCATION

- **Texas A&M University - Corpus Christi** Corpus Christi, Texas, USA
Bachelor of Science in Computer Science; GPA: 3.92
Aug. 2016 – May. 2020
- **Chulalongkorn University** Bangkok, Thailand
Master Degree
Aug 2024 - Present

EXPERIENCE

- **Code Engine Studio** Da Nang, Vietnam
Software Engineer - Dev Lead
Sep 2023 - July 2024
 - **Mai:** AI platform designed for Code Engine Studio employees to easily search company documents. It allows users to access different AI providers and integrates with an internal chat application (Mattermost) for a smooth workflow.
Tech-stack: TypeScript, Express, LlamaindexTS, OAuth, Golang, PostgreSQL NextJS, AWS, Docker, Github CI/CD
 - **Virtual Testing:** A comprehensive visual testing and review tool designed to scan all potential UI states across browsers, identifying visual and functional bugs efficiently. It facilitates assigning reviewers and resolving discussions to streamline team approval processes.
Tech-stack: TypeScript, NodeJS, Playwright, RabbitMQ, MySQL, ReactJS, AWS, Docker, Github CI/CD, Java Springboot, K3s, Helm, Terraform
- **Plus One Robotics** San Antonio, Texas, USA
Software Engineer
Dec 2020 - June 2023
 - **Yonder:** "Human-in-the-loop" software lets a single supervisor remotely manage multiple robots. Crew chiefs can jump in and directly control robots to solve unexpected problems. It's secure (encrypted data) and works on any device. Yonder Analytics tracks robot performance with customizable dashboards, keeping humans in control even with a large robot fleet.
Tech-stack: TypeScript, Express, GraphQL, PostgreSQL, MongoDB, ReactJS, Google Cloud Platform, Docker, Gitlab CI/CD, K8s, ELK, Prometheus, PixiJS, RxJS, Redis, Kafka
 - **PickOne Assistant:** Configuration tool that allows for the rapid setup of pilot robot cells utilizing PickOne, an AI-driven vision software that provides accurate hand-eye coordination for logistics robots. The purpose of PickOne Assistant is to facilitate 80% of new deployments and streamline the process of integrating with internal software, minimizing the associated challenges.
Tech-stack: TypeScript, Express, GraphQL, MongoDB, ReactJS, Docker, Docker Compose, Gitlab CI/CD, PixiJS, ROS
- **Center for Academic Student Achievement (CASA)** Corpus Christi, Texas, USA
Math tutor
Aug 2018 - May 2020
 - **Responsibilities:** As a math tutor, I provide academic support to college students in calculus, linear algebra, discrete math, and geometry.

PROGRAMMING SKILLS

- **Languages:** TypeScript, JavaScript, Golang, SQL, Python, Bash, HTML5, CSS3
- **Technologies:** Google Cloud Platform, Amazon Web Services, OpenAI, LlamaIndex, Kubernetes, K3s, Terraform Docker, CI/CD, NodeJS, Kafka, WebSocket, ROS (Robot Operation System), Redis, Elastic, GraphQL
- **Skills:** Agile, Teamwork, System Design, Microservices design, RESTful APIs design, Unit testing
- **Frameworks/ Libraries:** ReactJS, NextJS, Apollo GraphQL, ReactQuery, Material UI, TailwindCSS, PixiJS, Jest, RxJS
- **Databases:** PostgreSQL, MongoDB
- **OS:** Linux, Windows, MacOS
- **Tools:** VSCode, Neovim, Git, GitHub, GitLab, Figma