

Derrick Yu

678-448-6648 | derrickyu07@gmail.com | [linkedin.com/in/derrickyu07](https://www.linkedin.com/in/derrickyu07) | github.com/derrickyu07

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

Graduation Date: May 2024

- **Relevant Courses:** Data Structures & Algorithms, Object-Oriented Programming, Computer Networking, Information Security, Machine Learning, Computer Organization & Programming, Computer Vision

EXPERIENCE

Software Engineer Intern | *Flutter, Supabase, Google Cloud Platform*

July 2024 – April 2025

ThankUPet

Singapore

- Streamlined user registration and profile management, implementing multi-authentication with email, Google, and Facebook, resulting in a seamless onboarding process for ThankUPet's mobile app users
- Enhanced user experience with search, rating, and messaging features, enabling users to find pet care facilities and communicate via text, voice messages, images, and location sharing
- Improved data accessibility and reliability by implementing a Supabase-backed database, allowing users to manage multiple pet profiles and book appointments efficiently
- Applied agile principles to software development, focusing on business value delivery, collaboration, and continuous improvement

PROJECTS

UpHealth | *ASP.NET Core, SQL Server, React, Azure*

June 2025 – August 2025

- Developing a full-stack healthcare appointment scheduling and vaccination management platform with secure authentication using ASP.NET Identity
- Implemented Profile, Dashboard, Vaccination Tracking, Health News, and Appointment Booking features with Redux-managed React frontend and RESTful backend APIs
- Deployed on Azure using GitHub Actions CI/CD pipelines and Docker containers, ensuring scalable and cost-effective cloud infrastructure
- Integrated SendGrid for automated reminders and notifications, improving patient engagement and reducing missed appointments

Transcription and Translation | *React, Git, Tailwind*

May 2024 – August 2024

- Built a scalable React app to transcribe and translate real-time audio in over 50 languages
- Leveraged web workers for efficient in-browser ML model execution, reducing latency by 25%
- Enabled dynamic audio input switching (file uploads, live recording) for enhanced user flexibility

Instagram Clone | *React, Firebase*

February 2024 – June 2024

- Achieved secure user management by implementing Firebase Authentication, resulting in streamlined sign-up, login, and password reset functionalities
- Delivered real-time updates by configuring Firebase Firestore, integrating posts, comments, and likes, enhancing user engagement
- Enabled profile customization where users can update their profile pictures, bios, and personal information

Merinaa Mobile App & Dispatcher Portal | *Flutter, PostgreSQL, Express.js, React*

August 2022 – May 2023

- Developed a Mental Health Crisis Intervention Assistance Application to support 1000s of individuals with mental health conditions by relaying critical information to emergency services
- Programmed a cross-platform mobile app with Flutter and a website application using React
- Facilitated seamless integration and data management by designing a REST API, resulting in improved service reliability
- Collaborated with a team of developers following Scrum methodologies, leading to on-time delivery of critical features

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL (Postgres), JavaScript, TypeScript, HTML/CSS, Dart, Ruby

Frameworks: React, Node.js, Angular, JUnit, Express.js, Ruby on Rails, .NET

Developer Tools: Git, GitHub, Git Bash, Docker, Google Cloud Platform (GCP), VS Code, Firebase, Supabase, Azure