

BENJAMIN KYE

benkye04@gmail.com | linkedin.com/in/benjamin-kye | github.com/benjaminkye

EDUCATION

The University of Texas at Dallas

Bachelor of Science in Computer Science, **3.8 GPA**

National Merit Scholar | Computing Scholars Honors (CS²) | Collegium V Honors

Richardson, TX

Aug 2022 - May 2026

Study Abroad at Sungkyunkwan University

Studied Artificial Intelligence/Machine Learning and Korean Language

Seoul, KR

May 2024 - Jul 2024

TECHNICAL SKILLS

Languages: C#, Java, Python, C++, SQL, Kotlin, JavaScript, HTML/CSS

Tools/Frameworks: .NET Core, WPF/WinForms, React, Git, Jetpack Compose, Gradle, Google Cloud

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Architecture, Database Systems, Software Engineering (SDLC), UNIX Systems Programming

EXPERIENCE

Software Engineer Intern | Kotlin, Agile/Scrum, Git

Jun 2025 – Aug 2025

7-Eleven, Inc.

Irving, TX

- Developed new user-facing features for the 7-Eleven Android app (5M+ active users) using Kotlin, MVVM, and Jetpack Compose, enhancing UX for millions of customers.
- Refactored networking code by consolidating Retrofit usage into a centralized RestClient, improving maintainability and enabling consistent error handling for edge cases.
- Improved stability by fixing app crashes and UI inconsistencies, contributing to a smoother customer experience.
- Ensured quality by writing unit tests, working within GitLab CI/CD pipelines, and passing SonarQube checks for code quality.
- Collaborated in an Agile/Scrum environment with cross-functional teams in biweekly sprints, contributing to code reviews and resolving 10+ bugs within one month.

Cleanify - Spotify Playlist Cleanup Webapp | Python/Flask, JavaScript, HTML, CSS

Personal Project

- Built an interactive full-stack Flask web app that helps users manage Spotify playlists with 1,000+ tracks by leveraging Spotify's REST API and listening history.
- Optimized page load times by 50% through async data fetching (AJAX) and client-side optimizations.
- Reduced redundant API calls via caching, achieving 70% faster data retrieval.

QuickTL - Translation program for Windows | WinForms C#, Json.NET, Google Cloud API

Personal Project

- Created a multi-language translation tool using the DeepL API, with customizable options supporting 30+ languages, enabling users to access seamless text translation.
- Implemented screen capture + OCR (Google Cloud Vision) to enable instant translation of text in images and videos.

ACM Research - IoT Security Vulnerabilities | Svelte, TypeScript, JavaScript, HTML

Research Project

- Researched Bluetooth/BLE vulnerabilities on Bangle.js 2 smartwatch; co-developed and tested exploit proofs with a 5-person team.
- Presented zero-click worm proof-of-concept at ACM Symposium (100+ audience), earning People's Choice Award.

HONORS/AWARDS

ACM Research People's Choice Award

Spring 2023

Association for Computing Machinery at UT Dallas

Richardson, TX

- Voted the audience's favorite at the ACM Research Symposium, competing against 10+ innovative projects for top recognition.

National Merit Scholarship

Aug. 2022 – Present

National Merit Scholarship Corporation

Evanston, IL

- Awarded a prestigious four-year, full-ride scholarship by the University of Texas at Dallas, in partnership with the National Merit Scholarship Corporation, granted to the top 0.5% of students (approx. 7,500 out of 1.5 million entrants).
- Paired with admittance to Collegium V honors program

Computing Scholars Honors (CS²)

Aug. 2022 – Present

University of Texas at Dallas

Richardson, TX

- Selected as one of ~30 students per year to join the elite Computing Scholars Honors Program, focused on research, leadership, and advanced academic coursework.
- Gained exclusive access to honors classes, professional development, and networking opportunities with industry leaders.