BENJAMIN KYE

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EDUCATION

The University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science, **3.8 GPA**   *Aug 2022 - May 2026*
National Merit Scholar | Computing Scholars Honors (CSˆ2) | Collegium V Honors

Study Abroad at Sungkyunkwan University   Seoul, KR
Studied Artificial Intelligence/Machine Learning and Korean Language   *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 4-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 (CS^2)   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.