ALBERT CHO

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EDUCATION

The University of Texas at Austin	Bachelor of Science in Computer Science	2019 - 2023
	Overall GPA: **3.96**	
	Master of Science in Computer Science	2022 - 2024

EXPERIENCE

Visa - *Master's Intern | Value Added Services Team* — May 2023 - Aug 2023
- Implemented ReadyLink Locator Site providing detailed ReadyLink terminal lookups on an interactive table and map view
- Developed **Spring Boot** and **Java** back-end to make queries, RESTful API calls, and establish controllers/endpoints
- Developed **TS**, **Angular**, **HTML/CSS** front-end to display ReadyLink data on dynamic results, maps + markers, and searches
- Improved user experience and interaction through an accessible UI, backend, and API refresh on deprecated websites

Nordstrom - *Software Engineering Intern | Retail Hub Team* — Jan 2023 - Apr 2023
- Implemented notification system supporting global, application, and user targeted web/slack notifications management
- Constructed **PostgreSQL** database containing notification details to connect to designed **Kafka** topic data stream on **AWS**
- Developed **Spring Boot** and **Java** back-end and BFF to make database queries, api calls, and establish controllers/endpoints
- Developed **TypeScript**, **React**, **HTML/CSS** front-end to display **Redux Stores** with dynamic banners, menu lists, and dialogs
- Increased task engagement/completion and information awareness of employees across all retail hub platforms

Visa - *Software Engineering Intern | Digital Marketing Services Team* — May 2022 - Aug 2022
- Implemented global customer support services page providing detailed marketing user lookups and client profile updates
- Developed **Spring Boot** and **Java** back-end to make **mySQL** queries, **RESTful API** calls, and establish controllers/endpoints
- Developed **JavaScript, Angular, HTML/CSS** front-end to display and edit user data with dynamic tables, cards, and searches
- Increased overall user satisfaction and service interactions between global marketing teams and customers

Juni Learning - *Computer Science Instructor* — May 2021 - Dec 2021
- Instructed students fundamental computer science concepts through private, online lessons in Python, Java, and C++

Building-Wide Intelligence Project - *Autonomous Robots Researcher* — Jan 2020 - May 2022
- Engineered robots and technologies to analyze human-robot interaction and provide applications for human service
- Developed ROS **One-Shot Facial Recognition**, **CYK Semantic Parser**, and **Anticipatory Gaze** for use in mobile robots

PROJECTS

Stonk Alert - *Full Stack Development* — Summer 2021
- Facilitated tracking of current news, trends, and information on over **4000** stocks and their respective companies for users
- Constructed **PostgreSQL** database of **SQLAlchemy** models containing stock/news/company data scraped from public APIs
- Developed **Python**, **Flask** back-end to manage database, serve API calls, establish web routes, and perform data pagination
- Established **RESTful Postman API** served by the back-end to provide clean and relevant stock information to the public
- Developed **React**, **Bootstrap, HTML/CSS** front-end to display stock data with dynamic cards, searches, tables, and graphs

MedView - *Full Stack Development* — Fall 2020
- Facilitated selection of Austin health institutions by gathering and visualizing health insurance providers and plan coverage
- Constructed **PostgreSQL** database tables containing institution, plan, and provider/insurer data scraped from public APIs
- Developed **Flask** back-end to manage database, establish web routes, and perform queries based on user website input
- Developed **HTML/CSS** front-end to display back-end data through interactive maps, pop-ups, and menus served by **Jinja**

EXTRACURRICULAR ACTIVITIES

Freetail Hackers HackTX - *MedView Team* — Fall 2020
- Collaborated with students to design and produce helpful technological solutions that benefit the community (**MedView**)

Texas Convergent - *Retail Tech Build Team* — Fall 2019
- Collaborated with students to design and produce innovative technological prototypes and business proposals (**QuickFit**)

Tempest Designs - *Freelance Graphic Artist | **tempestdesigns.art*** — Summer 2015 - Present
- Designed, edited, and animated more than **300** visual signatures based on user input for both companies and clients

ADDITIONAL INFORMATION

Computer Skills: Java, C/C++, Python, TS/JS, HTML/CSS, Linux/UNIX, Git, Agile, Photoshop, After Effects, Premiere Pro
Relevant Courses: Data Structures, Algorithms and Complexity, Computer Architecture, Operating Systems, Machine Learning, Neural Networks, Data Mining, Linear Algebra, High Performance/Correctness, Software Engineering, Distributed Systems
Languages: English (Native Proficiency), Korean (Limited Working Proficiency), Spanish (Limited Working Proficiency)
Interests: Software Engineering, AI, Machine Learning, Full Stack Development, Graphic Design, Film, Spikeball, Valorant
Work Eligibility: Eligible to work in the U.S. with no restrictions