

Jerry He

Computer Science Undergraduate

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📄 Summary

🔹 I'm a sophomore at The University of Texas at Austin with more than five years of programming experience in various languages, including Java, Javascript, and Dart. I have a collaborative mind for developing purposeful applications to improve efficiency and expand upon the horizons of technology.

📖 Education

The University of Texas at Austin [Austin, TX] 🌐

Aug 2022 - Present

🔹 Current GPA: 4.0

🔹 Relevant Courses: Data Structures, Discrete Mathematics, Calculus III, Engineering Physics I

🔹 Completed By Summer 2023: Computer Organization & Architecture, Probability & Statistics

The University at Albany [Albany, NY] 🌐

Sep 2021 - Jun 2022

🔹 AMAT 220 Linear Algebra (GPA: 4.0) - Dual Enrollment at the Bronx High School of Science

🔗 Projects

*Other projects are available on GitHub

Sertinary 📱

- 🔹 A cross-platform Flutter application to help users maintain a healthy and consistent lifestyle.
 - 🔹 Utilizes enduring alarms which ring continuously until a math minigame is completed.
 - 🔹 Ensures the user wakes up on time without snoozes and increases morning brain activity.
 - 🔹 Implements a daily calorie and macro-nutrient tracker.
 - 🔹 Aids with diet awareness and helps prevent unhealthy eating habits.
 - 🔹 Integrates a meal creation and sharing platform with Firebase Cloud Storage as a backend.
- 🔹 Was one of three app development projects chosen to present to Bronx High School of Science alumni.
 - 🔹 Commended by alumni and the instructor, who was a former IT Project Manager/Senior Systems Analyst at the Royal Bank of Scotland Business, Citigroup, and UBS Group AG.

SwapApp 📱

- 🔹 A native Android application to facilitate the trading of goods.
 - 🔹 Allows for smooth post creation, browsing, trading, communication, and rating.
 - 🔹 Integrates a Firebase Realtime Database for secure user authentication and swift data management.
- 🔹 Earned the highest score out of all projects presented during midterms and lead to the most discussion.

Web Scraper for eBay 📱

- 🔹 A web scraper built using JavaScript and NodeJS to acquire, process, sort, and display data from eBay.
 - 🔹 Helped to purchase a 3080 for 18% less (~\$115) when compared to average pricing at the time.

🏆 Awards & Extracurriculars

The Bronx High School of Science Certificate of Excellence in App Development

Jun 2022

🔹 Marks significant achievement and effort in the field of mobile application development.

The Bronx High School of Science Atom Hacks VIII Third Place Winner

Mar 2022

🔹 Collaborated in a fluid team to develop a health tracking application.

🔹 Helps users track their meals & medications to improve their daily health routines.

Kehilat Sephardim Food Pantry Volunteer [New York City, NY] 🌐

Jul 2021 - Sep 2021

🔹 Registered new families in need, organized stock, planned for events, transported goods, translated from Mandarin to English, guided those who were new, and trained volunteers to serve even more families.

🔹 Helped to serve over 20,000 individuals in need of assistance every week during desperate times.

Science Olympiad Contestant [New York City, NY] 🌐

Sep 2019 - Mar 2020

🔹 Designed and constructed a vehicle that harnesses the potential energy of a mousetrap.

🔹 Propels itself to different distances and returns to the user after arriving at the given destination.