Jerry He

Computer Science Undergraduate

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📄 Summary

- Sophomore at the University of Texas at Austin with over 5 years of experience in software development. Proficient in Java, C, and DHTML, with experience in deploying applications for mobile and web platforms. Strong problem-solving skills and ability to work independently or as part of a team. Seeking opportunities to apply and further develop programming skills in a challenging and dynamic work environment.

📖 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

⬡ Projects
*Other projects are available on GitHub

Sertinary ⬡
- A cross-platform Flutter & Firebase app designed to help users achieve their health and fitness goals.
  - Features an enduring alarm that can only be turned off after the user completes a mini-game, increasing attentiveness and preventing snoozing.
  - Includes a calorie and macro-nutrient tracker to track food intake and display nutritional information.
  - Allows users to create and share customized meal recipes and discover new recipes from other users.
- One of three app development projects chosen to present to Bronx High School of Science alumni, where it received positive feedback and was commended by both alumni and the instructor, 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 designed for buying and selling goods.
  - Smooth and intuitive user experience for post creation, browsing, trading, communication, and rating.
  - Realtime updates with Firebase Realtime Database for fast and efficient data synchronization.
- Earned the highest score out of all projects presented during midterms and generated the most discussion among the class.

Personal Website 🌐
- Personal website designed and built using JavaScript, CSS, and HTML.
- Features a fully responsive UI, allowing for seamless viewing on all devices.
- Utilizes scroll-based animations to create an engaging user experience.
- Incorporates a strong visual hierarchy, ensuring that important information is emphasized and easily accessible.

Web Scraper for eBay ⬡
- Developed a web scraper using JavaScript and NodeJS to collect, process, sort, and display data from eBay listings for GPUs.
- 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**
- Signifies the recipient's outstanding ability to conceptualize, design, and develop mobile applications.

The Bronx High School of Science Atom Hacks VIII Third Place Winner **Mar 2022**
- Contributed to the development of a health tracking application as part of a fluid team.
  - Helps users monitor and improve their daily health routines by tracking their meals and medications.

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.