

Justin Bae

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Education

THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas
Bachelor of Science in Computer Engineering, **GPA 3.26/4.00**

Aug 2015 – Aug 2019

Computer Skills

Languages : HTML5, CSS3 w/ Flexbox, JavaScript (ES6), Java, C/C++
Technologies : React, Sass, jQuery, Git, SQL/SQLite, Bootstrap
Operating Systems : Windows 7/8/10, basic Linux command line/bash

Projects

TempCheq Device (Senior Capstone, 1st Place), PonyUp Technologies **Jan 2019 - August 2019**

- Won 1st place at UTDesign Expo for creating rugged IoT device that records temperature, movement data, and coordinates of post-surgical animals and transmits this data via Bluetooth BLE 5.0 to monitor recovery.
- Assisted in enabling Bluetooth functionality and cutting power consumption of Bluetooth module by 50% by implementing interrupts instead of polling.
- Led communication between team members and project sponsors through weekly meetings
- Organized, facilitated, and documented component purchases and stayed 25% under budget
- Skills Used: C programming in Arduino IDE, communication, budgeting, time management

Personal Website (<https://justinkangbae.netlify.com/>)

- Designed a responsive website that shows portfolio and contact information.
- Languages/technologies used: HTML, CSS, Sass, JavaScript, Git, and jQuery.

Java Music Database Program

- Java program that utilizes the JDBC API and SQL to interface with a pre-filled music database.
- Ability to insert and query songs, artists, and albums from database utilizing SQL joins
- Languages/technologies used: Java, SQL, JDBC API

Work Experience

Delivery Driver, Fusion Logistics, Farmers Branch, TX

July 2019 – Feb 2020

- Remained in top 10% of drivers through minimal errors and excellent customer service.
- Ensured prompt delivery through clear communication with dispatch, support, and customer.

Warehouse Package Handler, CTDI, Flower Mound, TX

June 2018 - August 2018

- Inspected and diagnosed Apple and Samsung smartphones for hardware errors with 95% success rate, sending them to the correct repair department.
- Processed at least 20+ smartphones per hour while retaining quality of inspection.