Hanbit Kang

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Personal Website (Portfolio): <https://hanbitkang314ano.github.io/mywebsite>

Fluent Languages: English, Korean

# EDUCATION SKILLS COURSEWORK

**Texas A&M University**  C++ • C# • Java • Python • LATEX • HTML Discrete Structure Computing, Database Systems, Design

B.S. IN COMPUTER SCIENCE JavaScript • React Native • API • Ruby Analysis Algorithms, Programming Languages, Computer

College Station, TX | SolidWorks • Node.js • React • OpenGL Languages, Design Process, Computer System, Computer

Graduated: May 2023 Bootstrap • Heroku • GitHub • GUI FXML & Network Security, Programming Studio, Machine

GPA: 3.545 Microsoft Office • .NET Framework • SQL Learning, Software Engineering, Computer Graphics

## EXPERIENCE

**ARBIN INSTRUMENTS INTERNSHIP** | SOFTWARE ENGINEER INTERN May 2022 – August 2022 | College Station, TX

* Help design code that automates battery specification document as the battery is tested using .NET Framework C#.
* Developed TreeView and FileReader to demonstrate an in-depth understanding of the Recursive Algorithm and OOP design.
* Provided solutions to the Spec Sheet Generator Project, leading to Arbin’s first fully automated Specification Generating tool, which makes the quotation process less labor-intensive and eventually leads to improving the scalability and reliability of Arbin’s documentation.

**MACHINE LEARNING RESEARCH** | UNDERGRADUATE RESEARCHER September 2022 – May 2023 | College Station, TX

* Research under Professor Yoonsuck Choe at Texas A&M University, using a convolutional neural network (CNN) to better understand how the receptive fields work.
* Successfully displayed the differences in model weights from typical image datasets to texture datasets.

**SERVERLESS PROGRAM RESEARCH** | UNDERGRADUATE RESEARCHER November 2021 – May 2022 | College Station, TX

* Research under Professor Dilma Da Silva at Texas A&M University, the most optimal platform to run a program that focuses on quality output, fast runtime, and effective teamwork using serverless computing, leading to microservices.

**COPPELL SOLAR CAR** | STRATIGIST, HISTORIAN August 2017 – May 2019 | Coppell, TX

* Placed 2nd nationally in the electric solar division.
* Design and create solar panel frames that would mount to a trailer with a pivot system to angle the panels directly towards the sun.
* Create an Excel sheet that calculates battery percentages of two lithium-ion batteries in real time as one charges and use the other.
* Update the team website.

**MINUTI COFFEE** | MANAGER September 2021 – April 2023 | College Station, TX

* Trained to prepare and create personalized coffees, drinks, pastries, and gelatos for customers to enjoy.
* Completed paperwork nightly, calculating deposits and net sales.
* Managed and trained employees effectively to complete orders, prepare pastries, clean equipment, and restock ingredients.

# PROJECTS

**SENIOR CAPSTONE MOBILE APP** | FRONTEND DEVELOPER November 2021 – December 2021

* Company sponsored project for Continuum Inc.
* Develop the entire frontend of the mobile app ‘GivenShare’ using React-Native, CSS, JS, and Python
* APK File: <https://drive.google.com/file/d/1FzqyGduPk6zpPqL3eDebAF2xLM6V_BfT/view?usp=share_link>

**ABB MEMBER POINT TRACKER WEBSITE** | Ruby, Rails, CSS, HTML January 2022 – May 2022

* Create a website with a project team that allows members and admins to keep track of members’ points and sign up, update, and log attendance to events.
* Create frontend pages and integrate the backend database into the frontend.
* <https://abb-tamu.herokuapp.com/>