Hao (Anderson) Yang

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Objective

- Seeking internship as a Software Engineer.

Education

Rose-Hulman Institute of Technology	Graduate by 2020
Bachelor in Computer Science double Mathematics (discrete field)	GPA 3.73
Shenzhen Middle School	September 2013 - June 2016
Graduated by 2016	

Skills

- Have at least 3 years' experience in Java, Android Studio, Google Firebase Database, C and T-SQL database.
- Experienced with C#, Unity 3D Engine, Artificial Intelligence, Python.

Experiences

Summer Research: Cellular Automata   Terre Haute, IN
Undergraduate Student Researcher   June – September 2018

- Designed a Stranded Cellular Automata to model common weaving and braiding patterns.
  - Analyzed the complexity of Automata by finding the maximum cycle length of any given grid.
  - Implemented a Java program to find initial conditions and rules that would generate distinct weaving patterns for any given width with the help of graph theory.

Android Game: Monopoly   Terre Haute, IN
Team member (3 Members on one team)   November 2017 – February 2018

- Designed and created an android game called Monopoly.
  - Allowed users to create and join the real-time game based on T-SQL database.
  - Participated in the group as a full stack developer.

Android App: Roommates splitting bill app   Shenzhen, China
Team member (2 Members on one team)   July – August 2017

- Designed and developed a Mobile App using Android Studio and implemented database with Google Firebase Database to solve the splitting bill problem.
  - Allowed users to join group and calculate balance based on item purchased using with the advantage of Firebase Database (login system and querying).
  - Enabled owner of the app push notification to the users using downstream messaging.

Activities

- **ACM-ICPC Contest**   Rose-Hulman
- **Member of Society of Asian Scientists and Engineers**   Rose-Hulman
- **Featured in the inaugural edition of Student Spotlight**   Rose-Hulman
- **Teaching Assistant for Programming Language Concept, Theory of Computation and Design and Design and Analysis of Algorithms**   Rose-Hulman