MICHAEL J. YANG

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EDUCATION

University of Texas at Austin   Expected Graduation May 2019
Candidate for Bachelor of Science in Computer Science, Foundations of Business Certificate, 4.0 GPA   Austin, TX
Relevant Courses: Data Structures and Algorithms, Discrete Math, Probability and Statistics

WORK EXPERIENCE & PROJECTS

Texas A&M University: Summer Research Analyst   College Station, TX
Big Data Sorting   June 2014 – August 2015
- Assisted Professor Jianhua Huang in conducting analysis and determining trends on common flu data.
- Utilized Java methods (ArrayLists, Scanner, Sorting, BufferedReader) to sort the data.
- Generated graphical heat map representations of the sorted data using Java and Excel.

Project: Connect Four   College Station, TX
Class and Personal Project   April 2013– May 2013
- Created Java program that runs a virtual program of the physical Connect Four game.
- Utilized Random, Classes, Buttons and JPanel to create the winning conditions algorithm and improved on algorithm in later iterations.

Project: Fishy   Weslaco, TX
Created a Scratch program from scratch   January 2012 – February 2013
- Built original sprites and created key bindings for the menu, movement, firing and two-player experience for the Fishy game.
- Developed algorithms for collision, level difficulty, power-up effects and speed of objects.

EXTRACURRICULARS & ACTIVITIES

Violin and Piano   January 2002– Present
- Studied violin for over six years and piano for over twelve years and composed individual music pieces.
- Assembled, organized, and directed a group of six musicians to perform carols at nursing homes during the holidays, concerts with AMCHS/STYS orchestras, Marianne Anderson String Quartet and Sam Houston Chamber Music.

Competitive Programming   August 2015 – Present
- Program with a team and individually to solve algorithm problems in competitions hosted by various companies.
- Attend programming workshops to increase knowledge and become a more efficient/effective programmer.

Mobile Application Development   August 2015 – Present
- Adapt and understand the functions of JavaScript and Android application development.
- Participate in local Hack Nights, create new apps and learn new language concepts.

HackTX Hackathon   September 2015
- Studied Android application development, web development and understanding of user interface.
- Implemented calculator program for android and web using Android Studio IDE and Notepad++.

Student Clubs & Associations (Leadership Roles)   August 2015 – Present
- UT Chinese Student Association and Intramural Basketball (Junior Officer), UT Texas Table Top (Junior Officer), South Texas Youth Symphony (Concertmaster), Marianna Anderson String Quartet Trio/Quartet (Lead), Sam Houston Piano (Lead).

AWARDS & RECOGNITIONS

Competitive Programming Competition   September 2015 - Present
- Consistently place in the top fifteen competitors out of 50+ in speed-solving programming events with six to eight problems.

Freshman Case Competition   October 2015
- Worked with a team of four people to create an innovative solution to solve a problem on Mars and placed as a finalist team.

OG Tetris Competition   September 2015
- Adapted quickly to a new style of Tetris and placed 1st out of 32 players at Jester East at UT Austin.

National Piano Award   May 2015
- Received eight total Bach, Sonatina, Irl Allison and Sonata National Awards (given to less than 10 pianists nationally every year).

Business Professionals of America: Workplace Skills Assessment Program (WSAP)   January 2015 – March 2015
- *Regional Competition:* Placed 1st in Java Programming, 2nd in Small Business Management Team, 2nd in Financial Math & Analysis and Computer Programming Open Event Concepts; *State Competition:* Placed 2nd in Java Programming, Finalist and 6th in Small Business Management Team; *National Competition:* Represented Texas in the national finals for Java Programming.

SKILLS

- **Languages**: Fluent in English and Mandarin. Proficient in Spanish.
- **Programming Languages:** Java, JavaScript, C#, RobotC, VBA, HTML, Scratch, Alice
- **Interests:** Legos, Violin, Piano, Basketball, Ping Pong, Reading, Memorizing pi, Working out, Rubik's cubing, Board gaming, Solving puzzles