James Z. Zhang

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WORK EXPERIENCE

MINDTAPP   **October 2021 – Present**
Software Engineer Intern   *Riverside, CA*
- MINDTAPP (Mind Training Application) is a mobile app that empowers a user to tap into their best self via mindset training (mindtapp.com).
- Tested and debugged the code for the front-end of the app.
    - Implemented the design and layout of tutorials for all the games of the app in Dart using Flutter.
    - Accounted for the different aspect ratio of 900+ user devices by relying on MediaQuery to enhance user experience.

KUMON   **August 2017 – June 2018**
Teacher's Assistant   *Temple City, CA*
- Tutored children from 1st-8th grade individually to help them master English and Math assignments and reinforce learning concepts presented by KUMON's curriculum
- Efficiently logged and graded students' assessment scores to prepare them for higher-level courses in English and Math
- Maintained student accounts by processing client adjustments in a professional and confidential manner

PROJECTS

Cutie Attack (Virtual Reality)
- A game that involves slinging cuties to annihilate the apples hiding within the fortresses (inspired by Angry Birds).
- Created in C# with Unity; game physics were simulated by RigidBody and FixedJoint components.
- Tracks hand motion with OVRInput when slinging the cuties back to measure the distance between the projectile and slingshot to calculate the velocity of the projectile when released from the slingshot.

Enter the Abyss Game
- Worked in a team and relied on GitHub to maintain version control of an endless text-based dungeon crawler built in C++.
- The 30 types of mobs, items, and dungeon floors were integrated through abstract classes and pure virtual functions.

Krispy Kreme Digital Dozens Email Sender
- Utilized Python's built-in smtplib module to reduce the time needed to manually send out 50+ emails.
- Parsed a csv file with the recipients of digital dozens matching their respective digital dozens to automatically send the emails by a designated time – generating a profit of $120 for the Psi Chi fundraiser.

EDUCATION

University of California, Riverside (UCR)   **June 2022**
Bachelor of Arts in Psychology, Minor in Computer Science   *GPA: 3.9*
- Technical Interview and Coding Support (Treasurer)
- Psi Chi, Honor Society in Psychology (Treasurer)
- Senryu Taiko (Core Member)

SKILLS & INTERESTS

- **Skills:** Git; C++, C#, Python, HTML/CSS, JavaScript; Unity; Microsoft Office (Word, Excel, Outlook); Google Drive; budgeting for events
- **Interests:** skating; playing taiko; building and playing video games; working out; J-Pop, lo-fi; Black Mirror