BRANDON MITCHELL

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EDUCATION

Claremont McKenna College – Claremont, CA   **May 2021**
Bachelor of Science in Applied Mathematics and Computer Science
- *GPA: 3.4/4.0*
- *Awards:* PennApps XVIII Hackathon: Top 50 placement, 5C Hackathon 1st Place Winner
- *Relevant Coursework:* OOP with Java, Intro to Python, Linear Algebra, Calculus III, Electromagnetism, Discrete Math, Functional Programming

EXPERIENCE

Eight Bam LLC – Oak Park, CA
Mobile Developer   **Sept 2018 - Present**
- Designed and developed an iOS marketplace application for the 5 Claremont Colleges called 5C For Sale, in order to ease the buying and selling process between college students
- Worked with Firebase, XCode, and Swift 4 to collectively pull and send data in a database
- Implemented an in-app message system to give the user privacy while completing a sale, as well as a clean UI/UX

Coding With Kids – Seattle, WA   **May 2018 – Sep 2018**
Instructor
- Taught introductory programming concepts such as conditionals, variables, lists, refactoring, and debugging to up to 22 students per class through various projects on Scratch
- Introduced data analysis, game development, and IoT with the raspberry pi in Python to more advanced classes, preparing students for more real-world applications in programming

PROJECTS

ReCharge   **Aug 2018 – Nov 2018**
- Managed a platform to eliminate electric vehicle users' range anxiety, making charging stations more accessible in remote areas of the United States
- Handled front-end development and back-end debugging to increase UI/UX, along with integration of Google Maps API and Google Places API respondent to user's location

2048   **Nov 2018 – Dec 2018**
- Recreated the widely known game '2048' in Java, using OBJECTDRAW and UTIL packages to design the application and produce an aesthetic design for users to enjoy while playing
- Applied a tile movement algorithm to account for different valued tiles, borders, empty tile spaces, as well as increase the score corresponding to movement and merges with tiles

Spotimood   **Dec 2018 – Jan 2019**
- Created an interactive CLI-Interface for users to enter their mood, Spotify UID, and playlist name, and the program will create a custom playlist from over 1 million unique combinations.
- Used a Python API wrapper for Spotify that automatically pulls data from the artist's newest tracks to guarantee no user experiences the same playlist twice

SKILLS & INTERESTS

- Technologies**: Python**, **HTML5**, **CSS3**, **LaTeX** , Java, Swift, JavaScript, PHP, MySQL
- Interests**:** Algorithmic trading, iOS Development, Fitness, Baseball, Video Editing