JEREMY TARABA

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EDUCATION

University of California, Riverside – Riverside, CA   Graduated: 2021
Bachelor of Science: Computer Science (Honors)   GPA: 3.58

Relevant Skills: (Proficient): C++, Java, Python, Flutter   (Familiar): HTML, CSS, JavaScript, C#
Tools: Git, Firebase, Markdown, Unity 3D

EXPERIENCE

Programming Instructor / Coding Minds – Irvine, CA   09/2021 - Present
- Instructed diverse groups of students, ranging from elementary to high school and college, in various computer programming subjects, including Java, Python, Unity, and Thunkable.
- Revamped 1 outdated curriculum and designed 2 new curricula, incorporating over 30 new lesson plans.
- Led software projects with different technologies from initiation to successful completion.

Programming Teacher / Irvine Public School Foundation – Irvine, CA   06/2022 - 08/2022
- Instructed numerous Python and Unity classes, each with a student count exceeding 20.
- Developed personal curriculums for short term learning tailored toward middle schoolers.

Math Tutor / Tutor Genius – Irvine, CA   09/2020 – 08/2022
- Tutored high school students in key subject concepts such as Algebra, Geometry, Trigonometry, and Statistics.
- Collaborated with parents and students to identify education goals and strategies to obtain desired outcomes.

PROJECTS   2021 – 2023

Anonymous Group Chat
- Used Flutter and Android Studio to develop a messaging platform enabling real-time communication for users.
- Implemented Firebase Cloud Store, email password authentication, and notifications to improve user experience.

Cryptocurrency Predictor
- Collaborated with a team of three to storyboard and develop a program aimed at predicting the 24-hour price change of cryptocurrencies.
- Utilized APIs to collect data on 200 coins and 20,000 tweets stored in our real-time database.
- Used a regression algorithm to train a machine learning model specialized in making predictions.

Bank Simulation
- Designed, developed, and tested a Java application simulating online banking using JavaFX and Scene Builder.
- Implemented captcha protection and password encryption on accounts by using SHA-256 cryptographic hash algorithm.

Money Managing Web Application
- Collaborated with a team of 4 programmers to create an online budgeting tool to track spending history using JavaScript and React.
- Developed business requirement documents outlining the specification, story cards, and project requirements for reporting in Scrum meetings.
- Conducted thorough user acceptance and regression testing to ensure optimal quality.