



JEREMY TARABA

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EDUCATION

University of California, Riverside – Riverside, CA
Bachelor of Science: Computer Science

Graduated: 2021
GPA: 3.58

SKILLS

- MS Office: Excel, Word, PowerPoint, Visio
 - Artificial Intelligence
 - C, C++, Java, Python
 - Unity 3D
 - Markdown
 - Git
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EXPERIENCE

Programming Instructor / Coding Minds – Irvine, CA

09/2021 - Present

- Taught a classroom of elementary, high school and college students in different computer programming subjects such as Java, Python, Scratch, and Roblox Studio.
- Develop 2 new curriculums and added 30+ new lesson plans.
- Conduct training for incoming staff.

Programming Teacher / Irvine Public School Foundation – Irvine, CA

06/2022 - 08/2022

- Taught Python and Unity classes at Sierra Vista Middle School for 100+ students.
- Developed personal curriculums tailored toward middle schoolers.

Math Tutor / Tutor Genius – Irvine, CA

09/2020 – 08/2022

- Tutor elementary and high school students in key subject concepts such as Algebra, Geometry, Trigonometry, and Statistics.
 - Collaborate with parents and students to identify education goals and strategies to obtain desired outcomes.
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PROJECTS

2020 – 2022

Cryptocurrency Predictor

- Storyboard and develop a program to predict the 24-hour price change of cryptocurrency with a team of 3.
- Utilize APIs to collect 200 coins and 20,000 tweets stored in a database.
- Use a regression algorithm to train a machine learning model specialized in making predictions.

Bank Simulation

- Design, develop, and test a Java application that simulates online banking using JavaFX and Scene Builder.
- Implement captcha protection and password encryption on accounts by using SHA-256 cryptographic hash algorithm.

Open-Source Quality Assurance

- Write unit tests in Java to increase code coverage for Libgdx, an open-source video game creation framework.
- Utilize PIT for mutation testing, improving the efficiency of tests and identifying defects in code.
- Use JaCoCo to check production code for test coverage.

Money Managing Web Application

- Collaborate with a team of 4 programmers to create a budgeting tool which tracks spending history with charts and graphs using JavaScript and React.
- Develop Business Requirement Document outlining the specification, story cards, and project requirements.
- Document project timeline and progress for reporting in Scrum meetings.
- Perform User Acceptance Testing and Regression Testing.