Jason Kim Young

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Education

University of California, Irvine   Expected Graduation June 2024
Computer Science, B.S.

Experience

High School Teaching Assistant   2019-2020
Java - Teaching assistant for a high school introductory programming class
- Tutored students through reviews and simplification of material
- Resolved programming issues by brainstorming approaches and collaborative debugging

Projects

Line Approximator - Line of Best Fit   Feb. - Mar. 2022
Python, Flask, Numpy - Web application which approximates and visualizes lines of best fit for a given set of data points
- Applied a linear regression algorithm to generate different orders of polynomials
- Developed and implemented front and back end components of the web application using REST API

MSFlames - Number Component Tool   Oct. 2021
Python, SQLite - Application for an online game that breaks down a large sum of values into its components.
- Created SQL databases by transforming and importing various CSV and HTML files
- Identified solutions across numerous possible scenarios through recursive techniques
- Improved user game performance by assessing the desirability and value of calculated components

SNIF - Desktop Screen Recorder & Editor   July 2021
Python, OpenCV, Tkinter - Application using computer vision and a GUI framework to quickly record any region of the main monitor and edit the recording frame by frame.
- Connected imaging libraries and transformed data between modules in the form of NumPy arrays
- Designed user interfaces with OpenCV and Tkinter enabling flexibility in the processes of region selection and video editing

Skills

Languages - Python, C++, HTML, CSS, Javascript, SQL, Java (Prior Experience)
Libraries/Resources - OpenCV, Excel, Tkinter, SQLite, Numpy, Matplotlib, Bootstrap