

Jex Pearce

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Palo Alto, California & Durham, United Kingdom | [Linkedin](#) | [Portfolio](#) | [Github](#)

SUMMARY

Aspiring Mathematics student with a solid foundation in Javascript, Python, and SQL, seeking a data science/analysis internship opportunity to apply and expand skills in real-world scenarios. Through my experience utilizing Python within previous projects to manipulate and explore data, I have cultivated a keen interest in contributing to data-driven decision-making processes.

SKILLS

Programming Languages: Javascript, Python, R

Other Tools and Frameworks: Jupyter, Pandas, React.js, HTML5, CSS, SQL

Skills: Linear Algebra, Calculus (I - IV), Cocalc, Excel, Sci-kit, ML Algorithms, Mandarin, Spanish

EDUCATION

Durham University, Durham, United Kingdom

Bachelor of Science in Mathematics

- Graduation date of June 2025
- Related Modules chosen for next year: Statistical Inference, Mathematical Modelling, Statistical Modelling, Data Science and Machine Learning, Geometric Topology, Complex Analysis, and more

Henry M. Gunn High School, Palo Alto, California

Five Advanced Placement scores of 5,5,5,4,4 including Mathematics, Economics, Psychology

PROJECTS:

The following projects are entirely self-directed out of my own initiative

Silicon Valley Housing Prices Prediction: [Silicon Valley Housing](#)

August 2023

Python, SQL, Pandas, Jupyter, Sci-kit, Random Forest, Seaborn

- Utilized a combination of Python, SQL, Pandas, Jupyter, Sci-kit Learn, and Seaborn to conduct an in-depth exploration of housing price trends in the Silicon Valley region
- Implemented a Random Forest regression model to predict housing prices based on historical data

Nutrition Projects: [Meat Nutrition](#), [Fruit Nutrition](#), [Vegetable Nutrition](#), [Seafood Nutrition](#)

August 2023

Python, SQL, Pandas, Jupyter, Sci-kit

- Employed data manipulation techniques to extract meaningful insights from intricate nutritional datasets
- Utilized Linear Regression modeling in Meat Nutrition to extrapolate and predict nutritional values for foods with incomplete data entries

Videogames: [Flappy Bird Replica](#), [Tennis Pong](#)

2016-2023

Javascript, CSS, HTML

- Designed and developed engaging video games, showcasing my knowledge of JavaScript, CSS, and HTML

Portfolio Website: [Portfolio](#)

July 2023

Javascript, HTML, CSS

- Developed a portfolio website using HTML, CSS, and Javascript through VS Code
- Adeptly tuned to mobile devices, utilizes Javascript for multimedia content

OTHER

Gap Year Volunteering (2022): [Healthcare](#) Assistant in Panama, [Environmental](#) conservation in Belize

Hobbies and Activities: Alto Saxophone, Long Distance Running, Weightlifting, Nutrition, Leetcode, Learning C++

Past Jobs (2018 - 2022): Ski instructor, Restaurant Table Busser, Lifeguard Monitor, Barista