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 in utilizing Pandas 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: Tableau, Cocalc, Excel, Sci-kit

EDUCATION

Durham University, Durham, United Kingdom
Bachelor of Science in Mathematics
- Incoming Second year with a 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

Henry M. Gunn High School, Palo Alto, California
3.7 GPA, 1430 SAT, and six Advanced Placement scores of 5,5,5,5,4,4

PROJECTS

Silicon Valley Housing Prices Prediction:
Python, SQL, Pandas, Jupyter, Sci-kit, Random Forest, Seaborn
- Used Random Forest to predict the price of a house in Silicon Valley given the prior data
- Also used Seaborn and Sci-kit to create and analyze distribution, box, and bar plots

Nutrition Projects: [Pork and Beef Nutrition Analysis](#), [Fruit Nutrition](#), [Vegetable Nutrition](#), [Seafood Nutrition](#) Aug 2023
Python, SQL, Pandas, Jupyter, Sci-kit
- Multiple Data-frame analyses on the nutritional content of a variety of food genres listed above.
- Used Linear Regression to predict what nutritional values absent foods from the data had
- Created through CoCalc, a web-based computing platform that supports the editing of Jupyter Notebook.

Videogames: [Flappy Bird Replica](#), [Tennis Pong](#)
2016-2023
Javascript, CSS, HTML
- Created fun video games that allowed me to harness my skills in Javascript.

Portfolio Website: [Portfolio](#)
July 2023
Javascript, HTML5, 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, 100 hours of Palo Alto community service
Languages: Intermediate in Spanish, Novice in Mandarin
Activities: Ski Club, Alto Saxophone, Long Distance Running, Weightlifting, Nutrition
Past Jobs: Ski instructor, Table Busser, Lifeguard Monitor, Barista