Joshua Paul Barnard
Data Scientist

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Fort Bragg, California

JoshuaPaulBarnard.com

Abilities

- Data Analysis
- Data Visualization
- Project Management
- Software Development
- Multimedia Production
- Web Development
- Web Design

Education

Data Science — Masters of Science
Johns Hopkins University   *2021 - 2025*

Engineering for Professionals program with the Whiting School of Engineering. Machine Learning, Data Analysis & Visualization, Prediction Modeling, & ETL. Concludes with capstone project of publishable quality.

Psychology — Bachelor of Arts
Humboldt State University   *2012 - 2016*

Minors in Applied Statistics, and in Applied Mathematics.
Courses included: ANOVA, Regression, Multivariate Stats & Statistical Modeling.
Completed two pieces of undergraduate research & presented at WPA in 2015.
Utilized R, Python, SPSS, & WinBUGS..

Computer Science — Associates of Science
Santa Rosa Junior College   *2016 - 2021*

Additional AA in Web & Multimedia, and AS in Mathematics.
Learned Data Structures, Algorithms, Relational Databases, & Web Development.
Utilized Java, SQL, JavaScript, Linux, C++, Excel, HTML5, CSS3 & Photoshop.

Experience

Computer Science Instructor
Mendocino College; 2022 - 2023; Fort Bragg, CA

Classes include: Digital Image Manipulation with Photoshop, and Begining Computers I/II,

Curriculum Development.

Embedded Tutor for Statistics math classes.

Student Tutor
Santa Rosa Junior College; 2003 – 2018; Santa Rosa, CA

1 on 1 tutoring with Individual students.
Group Tutoring.
Drop-In Lab Tutoring.

Subjects Included: Statistics, Math, Excel, Web Development, & Programming.

Undergraduate Research Assistant
Humboldt State University; 2016; Arcata, CA

Administered psychological surveys to research participants.

Collected and Organized data from surveys to be entered into SPSS.

Projects

Predicting Wine Quality
The Johns Hopkins University

Comparing Linear Regression with kNN, Decision Tree and Random Forest with Bayesian Inference to Predict Wine Quality in Python.

SNAP Cats Website Redesign
Santa Rosa Junior College

Redesigned a non-profit from old HTML3.0 to a responsive WordPress site. As the Agile Leader I was responsibile for scheduling, and coordinating between Instructor, Client, and Team.

Undergraduate Research
Humboldt State University

Reliability and Validity of the Health Efficacy Scale for College Students.
Only Author.

Presented at the WPA Conference in 2015.