Joshua Paul Barnard

Research Analyst

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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

Property Manager

2020 - 2023;
Fort Bragg, CA

Performing regular maintenance and repairs.

Handling all tenants inquiries and requests.

Ensuring Security and complaiance with all safety regulations.

Computer Science Instructor

Mendocino College;
2022;
Fort Bragg, CA

Classes Taught: Digital Image Manipulation with Photoshop.

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.

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.

Website Redesign SNAP Cats

Santa Rosa Junior College

Redesigned for 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.