



Joshua Paul Barnard
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Portfolio Website
 GitHub Profile
 LinkedIn

EDUCATION

- **Johns Hopkins University, Whiting School of Engineering** 2026
Masters of Science: Data Science
- **Humboldt State University** 2016
Bachelors of Art: Psychology
- **Santa Rosa Junior College** 2018
Associates of Science: Computer Science
- **Cornell University, eCornell** 2017
Certificate: Data Analytics

EXPERIENCE

- **Omniworld UK** 2023 - Present
Lead Developer
London, UK
 - Developing the Crown Blockchain based on Cryptonote, written in C++.
 - Integrating The Crown Coin with Phone App and banking API to provide The Crown Card.
- **Sequoidea Properties LLC** 2020 - Present
Property Manager
Fort Bragg, CA
 - Performing Regular Maintenance, Handling Tenants Needs, Accounting, and Ensuring Legal Compliance.
 - Responsibilities range from plumbing, logging, and construction, to accounting, research, and systems networking.
- **Mendocino College** 2022
Instructor & Tutor
Ukiah, CA
 - Computer Science Instructor: Curriculum Development, Syllabus Creation, Classroom Management.
 - Tutor in Mathematics and Statistics, assisted with Hybrid Classrooms using Zoom Cart.
- **Santa Rosa Junior College** 2001 - 2018
Tutor & Instructional Assistant
Santa Rosa, CA
 - Group, Drop-In, Lab, Private, and 1-on-1 Tutoring
 - Subjects Included: Computer Science, Statistics, Web Development, Multimedia, Mathematics, Psychology.

PROJECTS

- **Predicting Wine Quality by comparing Linear Regression with Machine Learning Techniques.** 2022
The Johns Hopkins University
 - Various techniques were used to predict the perceived quality of wine based on physio-chemical properties.
 - Tools Used: Python, Jupyter, NumPy, Pandas, Seaborn, OBS
- **SNAP Cats Website Redesign** 2018
Santa Rosa Junior College
 - Project Manager using Agile software development practices, using Slack and Trello.
 - Designed and developed a modern responsive website for a local non-profit using Wordpress(.org).
- **Reliability and Validity of the Health Efficacy Scale for College Students** 2015
Humboldt State University (Cal Poly Humboldt)
 - 16-item scale developed to assesses an individual's belief in their capacity to change their own health.
 - Examined the psychometric properties of the HESCS by reliability and validity in SPSS with a sample of 104.

TECHNICAL SKILLS AND INTERESTS

Developer Tools:	R, Python, SQL, Linux, Java, TeX, Git, Solidity, Rust, PHP, CSS3, HTML5, C++, JavaScript.
Frameworks:	TensorFlow, Pandas, Scrappy, Phaser.js, Next.js, Angular, React, D3.js NodeJS.
Cloud/Databases:	AWS, Google Cloud, Microsoft Azure, MySQL, NoSQL, SQLite, MongoDB.
Coursework:	Statistical Modeling, Data Science, Psychometrics, Calculus, Predictive Data Analysis.
Programs:	Excel, Trello, Tableau, SPSS, Visual Studio Code, Jupyter Notebook, Photoshop, Wordpress.
Soft Skills:	Project Management, Attention to Detail, Problem-solving, Adaptability & Creativity.
Experience:	Linux Server Administration, Agile Scrum Leader, Education, PC repair tech, IT Support.
Areas of Expertise:	Web Development, Data Science, Analytics, Management, Tutoring.
Subjects of Interest:	Research, Blockchain Development, Artificial Intelligence.

POSITIONS OF RESPONSIBILITY

- **Founder & President,** HSU Statistics and Probability Club 2014 - 2016

ACHIEVEMENTS

- **Eagle Scout,** Boy Scouts of America, Troop 37. 2004