



**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++ and using Github.
  - 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

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