



CLERK OF THE BOARD DIVISION
OF THE BOARD OF SUPERVISORS' OFFICE

COUNTY OF HUMBOLDT
825 FIFTH STREET
EUREKA, CALIF. 95501-1153

PHONE (707) 476-2384; 445-7299 (FAX)

APPLICATION TO SERVE ON THE HUMBOLDT COUNTY
AVIATION ADVISORY COMMITTEE

APPLICANT NAME: David Marshall

MAILING ADDRESS: [REDACTED] Arcata CA

TELEPHONE: Home: [REDACTED] Work: [REDACTED] Fax: _____

E-MAIL ADDRESS: dave@humboldt.edu

OCCUPATION: Research Associate at HSU & doctoral student in Education at Walden University

PERSONAL REFERENCES:

(1) Alex Stillman PHONE: [REDACTED]

(2) Dr. Jason L. Meriwether PHONE: [REDACTED]

PRIOR ADVISORY BOARD OR BOARD OF DIRECTORS EXPERIENCE? NO YES

PLEASE WRITE A BRIEF STATEMENT DESCRIBING WHY YOU'RE INTERESTED IN SERVING ON THE HUMBOLDT COUNTY AVIATION ADVISORY COMMITTEE.

I wish to work collaboratively to develop infrastructure and other aspects of aviation in Humboldt County. I have lived and worked in Humboldt for 30 years. My work experience is in higher education and I have been a pilot and aircraft owner for the last 20 years. Below is a list of relevant activities I have been involved in:

- Developed aviation inspired summer program for Native American high school students
- Previous chair of the Unmanned Aircraft Systems Advisory Committee at HSU
- Advisor to HSU club – club constructed a full function flight simulator in the HSU Library
- Researcher working to develop aviation opportunities for Humboldt County secondary and post secondary education students
- Faculty teaching critical thinking, specifically university classes in technology and social change.

PLEASE ATTACH A CURRENT RESUME.



DATE: 8/3/2021

SIGNATURE:

I declare under penalty of perjury under the laws of the State of California that the above is true and correct

SUBMIT THIS APPLICATION TO:

HUMBOLDT COUNTY AIRPORT ADVISORY COMMITTEE, Clerk of the Board, 825 Fifth Street, Suite 111, Eureka, CA 95501-1153.

DATE TO SUPERVISOR _____ DATE APPROVED _____ NOT APPROVED _____

David Marshall

[REDACTED]
Arcata CA 95521

[REDACTED]
dave@humboldt.edu

Education:

MS Mathematics Humboldt State University.

BA Physics Sonoma State University.

AS Electronics Santa Rosa JC.

Work History:

Career computer consultant at Humboldt State University. Leading team who supporting university faculty in academic computer labs and classrooms. Areas of responsibility include design, construction and ongoing support of all university teaching and learning spaces in a contemporary Linux, Windows and Macintosh environment. Software and OS installation and end user support (SCCM/AD environment). File server and cloud file storage support (Google). Pre-grant consultation for academic projects and research which uses computer technology. Part of the team who created short, medium, and long term planning projections to align resources with strategic goals. The current lab support team consists of 4 staff and 12 undergrad student workers.

Lecturer in Mathematics, Computer Science, and Statistics at Humboldt State University. I teach one evening class each term. Classes taught include Critical Thinking and Leadership, Statistics, Algebra, Pre-calculus, Discreet Mathematics, Combinatorics, Technology and Social Change, Web Publishing.

Particle physics research technical support and construction of experimental electronics at the Stanford Linear Accelerator Center (SLAC). Projects included board level design, testing and implementation of novel electronic design solutions.

Production technician for thin film sputtering production line. Mechanical and diffusion vacuum pumps. Electromechanical production line equipment support.

References:

Cyril Oberlander

Library Dean, Humboldt State University
[REDACTED]

Dr. Gregg Gold

Associate Dean, College of Professional Studies
Humboldt State University
[REDACTED]

Dr. Rolland Richmond

President Emeritus, Humboldt State University
[REDACTED]

Other information:

Committees and other service:

Chair, Humboldt State University Unmanned Aircraft Systems committee.
Chair, Humboldt County Unmanned Aircraft Systems sub committee
Faculty advisor, Humboldt State University PC Gaming Club
Member, MS Psychology, thesis committee – title: UNITY game interface for emotion tracking
Previous Member, Humboldt State University Academic Technology Advisory Committee
Previous Member, HSU Information Technology Change Management committee

Ongoing education, classes completed:

Inspiring Leadership through Emotional Maturity - Case Western Reserve University
Influencing People – University of Michigan
Organizational Leadership – Northwestern University
Macroaggressions – Humboldt State University

Community service:

Designed and led one week summer STEM programs for 6th – 8th grade kids titled HSU Robot Camp. 2014 – 2019.
Advisor for students who built PC based flight simulator which is installed in the HSU library, summer 2019.

Papers:

Design and construction of the front end electronics data acquisition for the SLD CRID

J. Hoeflich, D.G. McShurley, D. Marshall, Gerard J. Oxoby, S. Shapiro, P. Stiles (SLAC), E. Spencer (UC, Santa Cruz). Oct 1990. 9 pp. Published in IEEE Trans.Nucl.Sci. 38 (1991) 348-356
SLAC-PUB-5280
DOI: 10.1109/23.289324

Cherenkov ring imaging detector front end electronics

P. Antilogus (SLAC) et al.. Oct 1990. 9 pp.
Published in IEEE Trans.Nucl.Sci. 38 (1991) 408-416
SLAC-PUB-5120
DOI: 10.1109/23.289334
Presented at Conference: C90-10-23 (Nucl.Sci.Symp.1990:0408-416) Proceedings

Pilot's license:

Federal Aviation Administrator rules part 91 - Private Pilot: complex, high performance aircraft, pilot rating.
Federal Aviation Administrator rules part 107 - Unmanned Aircraft Systems (drone) pilot.