

Kenton Buck
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Education:

The College of William & Mary

Master of Science in Biology- In progress

Christopher Newport University

Fall 2006-Spring 2010

Bachelor of Science (Suma cum Laude, Departmental Distinction)

Major: Biology Minor: Leadership Studies

GPA 3.93/4.00; GPA in major 4.00/4.00

Highlands Biological Field Station

Summer 2008

Field Biology: Avian Biodiversity and Conservation

Study Abroad in Costa Rica

Summer 2008

Tropical Biology and Conservation

Research Experience:

Monitoring Avian Survivorship and Productivity (MAPS) Program

Summer 2009

- Interned with the Institute for Bird Population in Yosemite National Park and became familiar with mist net extractions, bird banding and micro-aging of landbirds

Designing a visitor-friendly campus arboretum website for CNU

Fall 2007-current

- Created GIS map and inventory with ArcMAP for CNU community education and management

King William County Reservoir Project

Fall 2007-current

- Monitored water quality of Pamunkey and Mattaponi rivers to assess ecological impact of proposed new reservoir construction

W.I.G.E.O.N: wetlands innovation group, engineering of nature

Fall 2006-current

- Restoration of wetland habitat at former gravel strip-mining operation
- Included GIS mapping, seed bank composition analysis, and soil chemistry
- Assessing importance of recreated wetland to migratory waterfowl

Patterns of roost use of abandoned mines by Townsend's Big-eared Bat (*Corynorhinus townsendi*) in Pershing County, Nevada

Fall 2006-Spring 2007

- Quantified bat roost usage through video analysis
- Recommendations used to assess importance of abandoned mines as roost sites

Conferences, Presentations & Publications

Harold Cones Seminar Series

- **Guest Lecture:** Demographic and conservation initiatives for North American Landbirds

Spring 2010

29th Annual CNU Writers Conference

Spring 2010

Buck, K., J. Davis, C. Levenson, K. Neighbor, T. Wake, and A. Wixtrom. (2010). The leadership of Thomas Jefferson: Building a wall of separation between church and state. *Undergraduate Leadership Review*: 2.1: 8-15.

Winter 2010

Conferences, Presentations & Publications, continued

- Paideia Undergraduate Research Conference Spring 2009
- **Poster Presentation-** Ongoing developments in the web-based arboretum map
 - **Poster Presentation-** Analysis of water quality baseline data for the King William Reservoir Project along the Mattaponi River
 - **Poster Presentation-** Water quality analysis of turbidity measuring methods in the Mattaponi and Pamunkey Rivers of King William County, Virginia
- CFI World Congress 2009: Science, Public Policy, and the Planetary Community Spring 2009
- 28th Annual CNU Writers Conference Spring 2009
- Sigma Xi Research Conference Fall 2008
- **Poster Presentation-WIGEON:** Seed bank Analysis and Germination Techniques for Wetland Creation
- Paideia Undergraduate Research Conference Spring 2008
- **Oral Presentation-WIGEON:** Overview of Wetland Restoration
 - **Poster Presentation-**Designing a Visitor-Friendly Campus Arboretum Website
 - **Poster Presentation-WIGEON:** Seed-bank Analysis and Germination Techniques for Wetland Creation
- Northern Limits: Restoring the Longleaf Pine Ecosystem in Virginia Fall 2007
- Learned about longleaf ecosystem and became interested in Red-cockaded Woodpecker conservation
- National Student Leadership Conference: Leadership & Bioethics Summer 2005

Honors & Awards

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|---|-----------------------------------|
| Beta Beta Beta Biological Honor Society | CNU Goldwater Scholarship Nominee |
| Alpha Chi Honor Society | James F. Draper Scholarship |
| PLP Study Abroad Grant | Dean's List (2006-present) |

Work Experience

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| Teaching Assistant: Ornithology Lab | Spring 2010 |
| CNU Peer Mentor Program | Fall 2007/Fall 2008 |
| Teaching Assistant: General Botany | Spring 2008 |

Extracurricular Activities

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| President's Leadership Program | Ecology Club |
| Virginia Living Museum- Animal Care | Virginia Living Museum- Interpreter |
| Virginia Living Museum- Horticulture | |

Interests: Biology, Being Outdoors, Philosophy and Public Understanding of Science, Birds, Evolution, Conversation, Gardening, TED Talks, Cooking, Backpacking/Camping, Art and Culture

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