

Colleen Gault

Present Address: Living Links, Yerkes, 954 N. Gatewood Rd, Atlanta, Ga 30322

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EDUCATION

Current **Emory University**, Atlanta, Ga Advisor: Dr. Frans B.M. de Waal
Neuroscience and Animal Behavior graduate program, Psychology Department
matriculated: Fall 2005

2000-2004 **Carnegie Mellon University**, Pittsburgh, Pa Advisor: Dr. David Rakison
Bachelor of Science in Biology and Psychology, minor Anthropology May 2004
Major GPA: 3.84 Overall GPA: 3.76

RELEVANT COURSEWORK

Genetics	Biology of Organisms	Emotion & Social Behavior
Developmental Biology	Neural Bases of Emotion	Evolution & Life History
Cell Biology	Biology of the Brain	Medical Anthropology
Biochemistry	Behavioral Endocrinology	Social Research Methods
Organic Chemistry	Evolutionary Psychology	ANOVA & Regression
Cell & Genetics Methods	Perception	

SKILLS

Laboratory: Tissue preparation and histologic analysis, microscopic analysis, titration, gel electrophoresis, culture and plating techniques, mini and maxi preparations, PCR, IM fluid/drug administration, animal care, surgical preparation, fecal DNA sample collection

Instruments: Endoscope, autoclave, centrifuge, IV catheter and infusion pump, O₂-anesthesia machine, O₂ sensor, heart rate monitor, X-Ray machine, Psion

Computer: C/C++, MS Excel, Habit, Unix, Minitab, SPSS

Languages: Conversant in Spanish

RELEVANT EXPERIENCE

Cultural Phylogeny Group Costa Rica, Max Planck Institute for Evol. Anthro.

FIELD ASSISTANT JUNE 2004-2005 with S. Perry & J. Manson

- Collected continuous ad-lib and focal data dawn to dusk on all aspects of the behavior of wild white-faced Capuchin monkeys under all imaginable conditions
- Lived and worked in a close-quarters communal setting
- Collected and prepared fecal samples for endocrinological analysis

Hunter-Gather Project Four Seasons Prehistoric Projects, Montana

RESEARCHER/PARTICIPANT Summer 2003

- Explored the impact of modern industry & settlement on the capacity of the land to sustain humans through traditional survival techniques without outside resources.

- Practiced skills such as brain-tanning, primitive archery, preparation of winter-stores, construction of clothing, containers, and other tools. Learned edible & medicinal plants of the region.

Emory SURE Living Links, Yerkes Primate Research Center

STUDENT RESEARCHER De Waal Lab, Summer 2003

- Researched, designed and carried out a pilot study on the training and potential of Capuchin monkeys on an MTS task.
- Statistically analyzed data and presented findings at a poster session.
- Made systematic observations of behavior regarding group culture, social ties and hierarchies, feeding order, and grooming relations.

The Infant Cognition Lab Carnegie Mellon University, PA

STUDENT RESEARCHER, September 2002 – May 2004

- Explored the possibility of an innate ‘predator category’ and response in human infants using familiarization studies
- Recruited participants (infants through parents), ran and coded test sessions using the Familiarization procedure and Habit program.
- Planned and carried out methods, analysis, and presentation in a CMU poster session and senior honors thesis.

Student Conservation Association Internship Rock Creek Park, DC

RESOURCE MANAGEMENT INTERN, May - August 2002

- Controlled invasive plant species by physical removal and eco-friendly herbicides, and studied the progress of areas previously treated through detailed surveys of species content & density.
- Investigated the effect of the deer population on the park’s vegetation through the use of deer exclosures.

The Center For The Neural Basis Of Cognition Pittsburgh, PA

RESEARCH ASSISTANT, January 2001 – May 2002

- Trained Rhesus macaques on a joystick MTS task for neurological study of visual discrimination
- Used and manipulated programs requiring knowledge of C++ & Matlab
- Responsible for basic maintenance & care of macaques.

South Carroll Veterinary Hospital Eldersburg, MD

VETERINARY ASSISTANT, December 1999-August 2000, May–August 2001

- Ran virology and content tests on blood, serum, urine and fecal samples.
- Assisted and observed veterinarian in examinations, obtaining fluid samples, biopsies, routine and exploratory surgeries.
- Developed skills in personal safety and for controlling animals in a stressed state.

South Carroll High School Science Research Program Winfield, MD

INDEPENDENT RESEARCHER, January – June 2000

- Studied the capacity of clove oil (*Syzygium aromaticum*) to serve as a non-toxic alternative to commercial anesthetics used on fish.

HONORS

National Science Foundation Graduate Research Fellowship
Phi Kappa Phi
Phi Beta Kappa
Carnegie Mellon University & Departmental Honors
Emory University SURE Fellowship Summer 2003
Carnegie Mellon University Undergraduate Research Grant Fall 2003
Science and Humanities Scholars Program, August 2000 - 2004
The William Robinson Scholarship Grant, December 2000 - 2004
F&D Companies Scholarship, August 2000- present
The National Society of Collegiate Scholars April 2001-present
Dean's List with High Honors Carroll Community College, Fall 1999
Who's Who Amongst American High School Students, 1999 & 2000

EXTRACURRICULAR ACTIVITIES

2000-2004

Wilderness Awareness Club- Organizer
Biology Student Advisory Council
Student Pugwash
Science & Humanities Scholars Student
Advisory Council

2004-Present

Graduate Student Council
Interdisciplinary Psych Grad Committee