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Jairus James Rossi

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EDUCATION**Pennsylvania State University**, University Park, PA

M.S. Geography, May 2007

Thesis Title: "The (Re)Imagining Of Jeju Island: Multi-Scale Redefinition Of Place And The Jeju Free International City"

GPA: 4.00

Bucknell University, Lewisburg, PA

Majors: Biology B.S., Religion B.A., May 2002

GPA: 3.95 Major GPA: 4.00

Kangwon University, Chuncheon, South Korea – 7/02 – 9/02

Studied Korean language and culture as part of a Fulbright Korea ETA grant

RESEARCH**EXPERIENCE Penn State University, Department of Crop and Soil Science**, University Park, PA – 10/07 – 8/08

- Senior Research Technologist to Dr. Robert Gallagher
- Edited, organized, and wrote grants for an array of USDA-funded projects
- Worked on multiple projects (field and laboratory) involving Integrated Pest Management, Conservation Tillage, and Seed Bank Ecology for a collaborative lab group
- Organized finances and day-to-day lab activities
- Techniques used include phenolic extractions and gas chromatography/mass spectrometry

Penn State University, Department of Geography, University Park, PA – 8/05 – 5/07

- Completed Master's thesis entitled: "The (Re)Imagining Of Jeju Island: Multi-Scale Redefinition Of Place And The Jeju Free International City"
- Designed and conducted field research in Jeju Island, South Korea
- Methods included semi-structured interviews, concept mapping, focus groups, and literature review.

Penn State University, Department of Geography, University Park, PA – 1/07 – 5/07

- Research Assistant to Chris Benner
- Studied international outsourcing and new forms of work in Mauritius
- Conducted intensive literature reviews, researched international IT companies, and conceptualized spatial relations of regional economic entities

Chesapeake Biological Laboratory – 05/05-06/05

- Worked as a field assistant to Dr. Chris Rowe
- Studied the physiological affects of PCBs on Snapping Turtles
- Responsibilities included site selection and searching for nesting sites; trapping, marking, and serum extraction from turtles

Virginia Commonwealth University Pharmacology Department – 10/03- 2/04

- Worked as a laboratory technician under the direction of Dr. Dana Selley
- Examined opiod addiction by monitoring the mechanistic actions of neural g-protein coupled receptors in response to chronic drug exposure
- Research methods employed include western blot analysis, restriction analysis, and sterile cell culture techniques

Bucknell University Biology Department 08/01- 12/01

- Worked under the direction of Dr. Kathleen Page
- Started a pilot study of the physiological effects of hatha yoga on cortisol, testosterone and IgA hormonal expression
- Research techniques used were the ELISA immunoassay and salivary hormone analysis

Bucknell University Biology Department 04/01 – 08/01

- Worked under the direction of Dr. Kathleen Page

- Studied the regulation of the HPA axis in relation to overexposure to dexamethasone, a synthetic stress hormone, in neonatal rats
- Performed 300+ hours of research in laboratory in the techniques of PCR, RNA extraction, Reverse transcription, and gel electrophoresis
- Funded by a Bucknell Biology Department Fellowship

Bucknell University Biology Department 01/00 - 08/00

- Worked under the direction of Dr. Mitchell Chernin
- Studied the gene regulation of the cardiac renin-angiotensin system in neonatal rats
- Performed 300+ hours of research in laboratory in the techniques of DNA Sequencing and Analysis, DNA Extraction, Site-Directed Mutagenesis, and Restriction Analysis
- Funded by a Bucknell University Fellowship

WORK

EXPERIENCE Chesapeake Biological Laboratory – 05/05-06/05

- Worked as a field assistant to Dr. Chris Rowe
- Studied the physiological affects of PCBs on Snapping Turtles
- Responsibilities included site selection and searching for nesting sites; trapping, marking, and serum extraction from turtles

Fulbright Grantee (ETA Korea Program) – 7/02 – 7/03, 3/04 – 12/04

- Taught English in a Korean public secondary school
- Worked as a cultural ambassador to the Korean public

Bucknell University Statistics TA - 1/99 – 5/02

- Instructed help sessions in general statistical methods and the SPSS data analysis program

Bucknell University General Biology TA 9/99 - 9/99 - 12/99

- Helped run general biology labs and assist students in practical lab skills

Hollidaysburg Recreation Commission, Summer Camp Counselor - 5/99 - 8/99, 05/00-08/00

- Responsible for K-6th grade children numerous recreational activities

TEACHING

EXPERIENCE

University of Kentucky, Lexington, KY – 7/09 – 8/09

- Primary Instructor – Geography 172 – Introduction to Human Geography

Penn State University, University Park, PA – 1/08 – 5/08

- Primary Instructor – Geography 20 – Introduction to Human Geography

Penn State University, University Park, PA - 9/06 – 12/06

- Teaching Assistant – Geography 128 - Geography of Foreign Affairs

Penn State University, University Park, PA – 11/05 – 5/07

- Primary Instructor – Geography 298H – Service Learning Project, South India

Penn State University, University Park, PA – 9/05 – 5/06

- Teaching Assistant – Geography 115 – Geomorphology

Maesan High School, Suncheon City, South Korea – 3/04 – 12/04

- Fulbright English teacher at private Korean high school

Daeshin Middle School, Seogwipo City, South Korea - 7/02 – 7/03

- Fulbright English teacher at public Korean middle school

VOLUNTEER

WORK

Maesan High School, Suncheon City, South Korea – 3/04 – 12/04

- Assisted in creating and instructing a beginner's Korean language course for foreigners

Bon Secours Holy Family Hospital, Altoona, PA. 05/99 - 07/99

- Assistant to Neurologist and Sleep Therapist Dr. Joel Younger

Sunflower Daycare, Lewisburg, PA. 01/00 –05/00

AWARDS

E. Willard Miller Award (M.S. Category) – 4/07

Fulbright Korea ETA Award – 5/02

Phi Beta Kappa- Inducted 05/01

Bucknell University Scholarship

Bucknell University Research Fellowship – 05/00 – 08/00

Bucknell Biology Research Fellowship – 05/01 – 08/01

President's Award for Outstanding Academic Achievement – 09/99, 09/00, 09/01, 5/02

ADDITIONAL

SKILLS

Proficient in SPSS, ArcGIS 9.1, MS OFFICE, MacOS 10