

Curriculum Vitae

Dr Shawna Bolton

2264 Winlord Place

Oshawa, ON

L1L 0B7

(647) 955-7996

shawna.bolton@outlook.com

PROFILE

A Forensic Scientist who is enthusiastic about applying one's knowledge and experience to the **Assistant Forensic Science** position at San José State University. As an aspiring academic professional, a position with the university would provide an excellent opportunity to teach and inspire students to develop the necessary skills to succeed at forensic teachings at an academic level and to encourage ongoing research in the field. Excellent interpersonal and communication skills, excellent facilitation and presentation skills, strong leadership, well organized, resourceful, flexible and professional.

EDUCATION

University of Wolverhampton, Wolverhampton, UK

Ph.D. in Forensic Science

2015

- *Completion Date:* July 2015.
- *Thesis:* Investigating the Postmortem Molecular Biology of Cartilage and its Potential Applications
 - [Link to Thesis in Open Repository](#)
- *Paper:* "Investigating the post mortem molecular biology of cartilage and its potential forensic applications" – Article first published online on March 31, 2015 in The Journal of Forensic Sciences.
- *Research interest and skills:* Forensic Anthropology – investigation of human remains. Forensic taphonomy, examination of post mortem cartilage, fungal activity and decomposing bodies buried below ground. Protein extraction and precipitation, Bradford assay, SDS-PAGE, Western Blot, Microbiology, Microscopy (light and fluorescent, research, presentations)
- Postgraduate Certificate in Education and Training

Radford University, Radford, VA

(Accredited by the Academy of Criminal Justice Sciences)

M.Sc. in Criminal Justice

2009

- *Research Papers:* "Forensic Anthropology in Criminal Research," "Geometrics Morphometrics in Forensic Anthropology: Validating the Accuracy of Traditional versus Digitized Cranial Measurements" and "Lee Harvey Oswald: Time Traveler or Patsy?"
- *Program focus and research interest:* Advanced Forensic Anthropology, Qualitative Research Methods, Quantitative Research Methods, Investigating the Assassination of JFK, Analytical Crime Mapping, Constitutional Law, Criminological Theory, Foundations of Corrections, Anthropology in Criminal Research

University of Toronto, Mississauga, ON

B.A. Honors in Anthropology

2006

- Areas of Concentration: Biological Anthropology (Human Osteology), Sociocultural Anthropology
- Double Minors: French and English
- Electives: Biology (Evolution; Diversity); Chemistry (Matter and Transformations; Introductory Organic Chemistry)

TEACHING EXPERIENCE

University of Wolverhampton, Wolverhampton, UK

2015-2016

Lecturer/Practical Leader/Tutor – Faculty of Science and Engineering

- Prepared and delivered lecture material concerning the basic principles chemistry, organic chemistry and biochemistry to several Rwandan National Police officers in preparation for intensive training in forensic DNA and toxicology analyses. Ran practical sessions, as well as tutorials.
- Provided students with cultural debriefing and information regarding available resources, such as language and writing skills, student support and information regarding various other support provided by the Student's Union.

Demonstrator – Faculty of Science and Engineering

- Carried out tasks of a practical assistant for both microbiology and forensic practicals. Organized groups of students for Crime Scene Investigation practical. Successfully planned, organized and lead DNA recovery practical for mature international students.

Practical Assistant – to forensic anthropology and microbiology practical leaders 2011-2015

- Provided assistance and support to practical leader and students. Oversaw health and safety policies during the performance of laboratory experiments. Assisted with marking.

Health and Safety Supervisor

2012-2013

- Oversaw that health and safety policies were practiced by pharmacy honours project students. Offered help and support to students in the absence of their course leaders.

Tutorial Leader

2012

- Met with groups of students and encouraged them to participate in group activities and engage in discussions to help them see the significance and implications of the information they acquired from various literature. Students were also encouraged to think critically, formulate a thesis, and justify their rationale for arguing their case.

Birmingham Metropolitan College, Sutton Coldfield, UK

Lecturer

2011

- Prepared lectures and PowerPoint slides – provided students with a fun and interactive learning environment, drop-in, online and telephone support, and course related reading material.

Radford University, Radford, VA

Graduate Assistant – to Professors Mary Atwell as “Research Assistant and Administrator” and Stephen Owen in “CRJU 238-Corrections” and “CRJU 312-Security Administration and Crime Prevention” 2008-2009

- Assisted with professor's research and provided well-written, detailed summaries of collected data, covered classes – prepared and lead undergraduate class discussion/activities, graded exam papers.

CONFERENCE PRESENTATIONS

<i>University of Wolverhampton</i> FIRN Oral presentation and poster exhibition - Poster awarded second place.	2013
<i>Oxford University, Oxford, UK</i> British Society for Matrix Biology Poster presentation.	2013
<i>University of Warwick, Coventry, UK</i> Forensic Science Society Research Symposium Awarded second place for poster competition.	2012
<i>University of Wolverhampton, Wolverhampton, UK</i> 2012 Research Poster Competition Awarded "Winner of the Poster Competition."	2012
<i>Radford University, Radford, VA</i> Graduate Research Forum Described and demonstrated use of the Microscribe Digitizer G2® in a Forensic Anthropological setting. <ul style="list-style-type: none">• Cranial measurements collected from pre-historic (3) and contemporary (1) crania using standard calipers versus a digitizer. Linear distances (24 intercranial landmarks).	2009
<i>Radford University, Radford, VA</i> Investigating the Kennedy Assassination: Commission Report <ul style="list-style-type: none">• Utilized data in the Warren Commission Report and principles of human kinetics to determine the likelihood of Lee Harvey Oswald murdering Officer J. D. Tippit.	2008

RESEARCH PAPERS

- "A Qualitative Research Study of Students' Utilization of Space within a New Campus Student Center"
Research conducted for Qualitative Research Methods, Radford University, 2007
- "Religious Influence and Sexual Victimization of College Women"
Research conducted for Quantitative Research Methods, Radford University, 2008

LANGUAGES

English – native language
French – speak moderately fluent and read/write with high proficiency

VOLUNTEER

University of Wolverhampton STEM Outreach Programme	2015-2016
Victoria Halls Student Accommodations	2013-2016
Postgraduate Representative (University of Wolverhampton)	2011-2015

INTERESTS

Interested in forensic research, learning and finding new ways to improve upon the student learning experience, reading, writing, art – painting and drawing, fitness, travelling, food
