

Curriculum Vitae

Stephen J. Lu, EMBA, SHRM-CP

Updated December 2025

LinkedIn: <https://www.linkedin.com/in/stephenjlu/>

PROFESSIONAL SUMMARY

Stephen's professional endeavors are founded on a life dedicated to public service.

Throughout his varied careers, Stephen has studied everything from mosquitoes and disease biology to bloodstain patterns, bullet trajectories, and digging up clandestine graves.

Today—through innovative, collaborative communication and technology solutions—he works to foster better leadership in the forensics industry and to support and improve the lives of people diagnosed with amyotrophic lateral sclerosis (ALS).

Stephen's previous employers include the University of Arizona, the National Institutes of Health, the California Department of Justice, the Arizona Department of Public Safety, the National Forensic Science Technology Center, and the San Diego County Sheriff's Department.

Stephen has seventeen years of forensic experience, including Forensic Biology, Crime Scene Investigation and Reconstruction, and Firearms Analysis. He has testified as a qualified expert witness in courts in Arizona and California and in front of the U.S. District Court for the Central District of California. As an active member since 2007, he has served as the Regional Director South and Lead Webmaster for the California Association of Criminalists. In these roles, he increased public visibility by transforming the website and guiding the leadership through the transition to online training during the COVID-19 pandemic.

Before his career in forensics, Stephen worked for six years as a published research scientist. Under Dr. Michael Wells at the University of Arizona, he studied protease regulation in the Yellow Fever mosquito, *Aedes aegypti*. He also completed an internship at the National Institutes of Health/NIDDK, studying neutral lipid trafficking in Niemann-Pick Type C disease under Dr. E. Joan Blanchette-Mackie.

Stephen holds an Executive MBA with Honors from Quantic School of Business and Technology and a Bachelor of Science with Honors, *magna cum laude*, in Biochemistry and Molecular Biophysics and Molecular and Cellular Biology from the University of Arizona, where he was elected to Phi Beta Kappa. He is a Society for Human Resource Management Certified Professional (SHRM-CP).

EDUCATION & PROFESSIONAL CREDENTIALS

Executive Master of Business Administration with Honors: Business Administration and Management. Quantic School of Business and Technology, July 2023. Specializations in Entrepreneurship and Strategy; Quantic Entrepreneurs.

Bachelor of Science with Honors: Biochemistry and Molecular and Cellular Biology. University of Arizona, May 2005, *magna cum laude*. Undergraduate Biology Research Program, Phi Beta Kappa, Golden Key, Galileo Circle Scholar, Biochemistry Ambassador, DaVinci Award.

Society for Human Resource Management Certified Professional (SHRM-CP)

Issued January 2023

Federal Bureau of Investigation San Diego Citizens Academy

Class of 2023

PROFESSIONAL EXPERIENCE

San Diego County Sheriff's Department

01/2012 – 01/2022

Regional Crime Laboratory

Criminalist II (Ret.)

Duties: *Forensic Firearms Examiner (10/2015 – 1/2022):* Performed operability examinations on questioned firearms, assault weapon determinations, and serial number restorations; performed microscopic examination of firearms and firearm accessories, fired bullets, cartridge cases, shotshells and shell components, and other tool marks; examined gunshot residue patterns; performed distance determination and ejection pattern analysis; prepared written technical reports to document analyses and results; provided peer verification of bullet and cartridge case identifications; reviewed reports and case notes for technical and administrative accuracy and clarity. Provided expert testimony in court.

Crime Scene Investigation: Trajectory Analysis (9/2013 – 1/2022), Bloodstain Pattern Analysis (7/2014 – 1/2022), and Crime Scene Reconstruction (9/2013 – 1/2022): Performed crime scene reconstruction. Assisted detectives, officers, and forensic evidence technicians with the identification, collection, and preservation of physical evidence. Prepared written reports to document analyses and results. Provided expert testimony in court.

Crime Scene Response (2013 – 2019): Responded to crime scenes to diagram and document the scene and to evaluate and preserve evidence. Evaluations included trajectory analysis, presumptive blood and semen testing, latent blood enhancement, and bloodstain pattern analysis.

Forensic Biology (1/2012 – 10/2015): Examined items of evidence for biological fluids which may include blood, semen, urine, saliva, and feces. Performed DNA analysis on items of probative value. Prepared written technical reports to document analyses and results. Reviewed reports and case notes for technical and administrative accuracy and clarity. Provided expert testimony in court. Performed and assisted in the validation of new

methods or protocols and instruments. Attended formal training and pursued continuing education.

National Forensic Science Technology Center	8/2009 – 10/2015
<i>Contract Assessor</i>	
Duties: Performed DNA laboratory audits around the United States as required, working as part of an audit team. Responsibilities included performing analyst interviews, checking the physical condition and set up of laboratories, and performing case reviews. Audits were performed to ensure that laboratory practices met the operating standards under the FBI Quality Assurance Standards for Forensic DNA Testing Laboratories.	
Arizona Department of Public Safety, Tucson	5/2008 – 12/2011
Southern Regional Crime Laboratory	
<i>Criminalist II</i>	
Duties: Examined items of evidence for biological fluids which may include blood, semen, urine, saliva, and feces. Performed DNA analysis on items of probative value. Prepared technical written reports to document analyses and results. Reviewed reports and case notes for technical and administrative accuracy and clarity. Provided expert testimony in courts throughout the state. Responded to crime scenes to assist agencies with the identification, collection, and preservation of physical evidence. Performed and assisted in the validation of new methods or protocols. Provided IT support to lab personnel and maintained computer-related equipment in the laboratory. Attended formal training and pursued continuing education.	
Arizona Department of Public Safety, Phoenix	4/2007 – 5/2008
Central Regional Crime Laboratory	
<i>Criminalist I</i>	
Duties: Examined items of evidence for biological fluids which may include blood, semen, urine, saliva, and feces. Prepared technical written reports to document analyses and results. Reviewed reports and case notes for technical and administrative accuracy and clarity. Assisted agencies in testing and preserving evidence. Attended formal training and pursued continuing education.	
University of Arizona, Tucson	4/2006 – 4/2007
Dr. Michael A. Wells, Department of Biochemistry and Molecular Biophysics	
<i>Research Specialist</i>	
Duties: Conducted research on the regulation of digestive proteases and the metabolic fate of blood meal amino acids in the female mosquito, <i>Aedes aegypti</i> ; maintained and arranged for equipment repairs and general lab upkeep; and mentored and oversaw the work of an undergraduate student on a relevant lab project.	
California Department of Justice, Attorney General's Office	9/2005 – 4/2006
Jan Bashinski DNA Laboratory, Richmond, CA	
<i>Criminalist</i>	
Duties: Documented the collection and entry of convicted felon buccal swab samples for STR analysis and upload into the CALDNA Databank; handled and entered up to 5,000 samples each month; maintained and used BSD 600 equipment and Hamilton robots for DNA sample partition, extraction, and quantitation for in-house analysis; organized	

and shipped buccal swab samples for outsourcing; researched a sodium hydroxide DNA extraction protocol and compared it with lab extraction protocols. Trained in DNA Analyst Training for Databank Users.

National Institute of Diabetes and Digestive and Kidney Diseases 6/2003 – 8/2003

Dr. E. Joan Blanchette-Mackie, Laboratory of Cell Biology and Biochemistry

National Institutes of Health

Research Internship

Duties: Conducted research on neutral lipid trafficking in Niemann-Pick Type C mutant fibroblasts.

University of Arizona, Tucson 9/2000 – 9/2005

Dr. Michael A. Wells, Department of Biochemistry and Molecular Biophysics

Research Technician

Duties: Conducted research on the regulation of digestive proteases and the metabolic fate of blood meal amino acids in the female mosquito, *Aedes aegypti*.

PROFESSIONAL TRAINING RECEIVED

2023 FBI San Diego Citizens Academy

Federal Bureau of Investigation, San Diego Office

March 7 – April 24, 2023

California Association of Criminalists General Seminar

Hosted by the Los Angeles Sheriff's Department Scientific Services Bureau

Long Beach, CA, April 13 – 15, 2022

AFTE Virtual Seminar

Hosted by the Miami-Dade Police Department

Online Meeting, August 24 – 26, 2021

Glock Talk Training Course

Hosted by the California Criminalistics Institute

Online Meeting, January 11, 2021

California Association of Criminalists Virtual Study Group – Firearms

Hosted by the California Association of Criminalists

Online Meeting, December 8, 2020

California Association of Criminalists Virtual Study Groups – Firearms, CSI

Hosted by the San Mateo County Sheriff's Office

Online Meeting, July 21, 2020

California Association of Criminalists General Seminar

Hosted by the San Bernardino County Sheriff's Department

Ontario, CA, October 23 – 25, 2019

Gunshot Trajectory and Bloodstain Pattern Analysis with Terrestrial LIDAR Scanning

Eugene Liscio, ai2-3D Forensics, and Mike Russ, San Bernardino Sheriff's Department

Ontario, CA, October 21, 2019

Outdoor Recovery

University of Tennessee, Knoxville, June 10 – 14, 2019

Association of Firearms and Tool Mark Examiners 2019 Conference

Nashville, TN, May 26 – 31, 2019

California Association of Criminalists General Seminar

Hosted by the Oakland Police Department
Oakland, CA, May 15 – 17, 2019

Association of Firearm and Tool Mark Examiners 2018 Conference

Charleston, WV, June 2 – 8, 2018

Machining for the Firearm/Tool Mark Examiner Workshop

Charleston, WV, June 3, 2018

Math of Bullet Path Analysis

Charleston, WV, June 3, 2018

Tour of the Robert C. Byrd Institute Manufacturing Facility

Charleston, WV, June 7, 2018

Forensic Firearms Examination Competencies/Training

Scott Hoopes, San Diego County Sheriff's Department Crime Lab
2015 – 2017

Firearms and Toolmarks Introduction I

Mike Giusto, California Criminalistics Institute
Sacramento, CA, November 13 – 17, 2017

Math and Physics for Bloodstain Pattern Analysis

Fons Chafe, Brian Yamashita, Tri-Tech Forensics
San Diego, CA, February 20 – 24, 2017

SHOTShow

Las Vegas, NV, January 17 – 20, 2017

California Crime Gun Intelligence Seminar

Forensic Technology
Anaheim, CA, August 23, 2016

Serial Number Restoration

Kristin Gerber and Jodi Marsanopoli, BATFE
Ammandale, MD, August 9 – 11, 2016

Barrel Manufacturing Workshop

New Orleans, LA, June 2, 2016

Sub-Class Characteristics Workshop

New Orleans, LA, May 29, 2016

Ring of Fire Workshop (History of Jennings Family Firearms Manufacture)

New Orleans, LA, May 29, 2016

Association of Firearm and Tool Mark Examiners 2016 Conference

New Orleans, LA, May 29 – June 3, 2016

Smith & Wesson Revolver Armorer's Course

Mike Giusto, California Criminalistics Institute
Los Angeles, CA, May 3, 2016

Glock Armorer's Course

Glock Professional
San Diego, CA, December 1, 2015

Basic Practical Microscopy

Bill Schneck, California Criminalistics Institute
Rancho Cordova, CA, October 26 – 30, 2015

Association of Firearm and Tool Mark Examiners 2015 Conference

Dallas, TX, May 24 – 29, 2015

Gunshot and Shotgun Injuries Workshop

Dallas, TX, May 24, 2015

California Association of Criminalists General Seminar

Hosted by the Ventura County Sheriff's Office

Ventura, CA, May 6 – 8, 2015

California Association of Criminalists Workshop: Forensic Use of High-Speed Photography

Hosted by the Ventura County Sheriff's Office

Ventura, CA, May 5, 2015

STRmix Introduction Day

San Diego Police Department, CA

January 26, 2015

25th International Symposium on Human Identification

Promega Corporation, Phoenix, AZ

September 29 – October 2, 2014

Crime Scene Reconstruction

Joe Rynearson, California Criminalistics Institute

Rancho Cordova, CA, September 8 – 12, 2014

Crime Scene Investigation and Bloodstain Pattern Analysis Documentation

Lauren Sautkulis, San Diego County Sheriff's Department Crime Lab

September 2013 – July 2014

Promega Technology Tour

Promega Corporation, Hosted by Los Angeles County Sheriff's Department

August 12, 2014

Identifier Plus Interpretation and Statistical Analysis

Michelle Hassler, San Diego County Sheriff's Department Crime Lab

January – August 2014

California Association of Criminalists DNA Workshop and General Seminar

Hosted by the San Diego County Sheriff's Department

San Diego, CA, May 6 – 9, 2014

Advanced Bloodstain Pattern Analysis

Bevel, Gardner and Associates – Ross Gardner and Iris Dalley

Baton Rouge, LA – Louisiana State Police

April 28 – May 2, 2014

FARO Laser Scanner

FARO, San Diego, CA

November 12 – 14, 2013

24th International Symposium on Human Identification

Promega Corporation, Atlanta, GA

October 7 – 10, 2013

Advanced Topics in Forensic Mixture Analysis: Statistics to Technology

Presented by Kevin McElfresh, Lucy Davis, Marty Tracey, and Bruce McCord

Atlanta, GA, October 7, 2013

2013 International Association of Bloodstain Pattern Analysts Training Conference

San Diego, CA, October 1 – 4, 2013

Crime Scene Investigation: Crime Scene Reconstruction

Lauren Sautkulis, San Diego County Sheriff's Department Crime Lab

December 2012 – September 2013

Crime Scene Investigation: Firearms Criminalist Training

Erin Mulligan, San Diego County Sheriff's Department Crime Lab
December 2012 – September 2013

Basic Crime Scene Investigation

Joe Rynearson, NCIT/Sacramento County Sheriff's Department
Sacramento, CA, August 26 – 31, 2013

Basic Bloodstain Pattern Analysis

Jan M. Johnson, Forensic Pieces
San Diego, CA, July 8 – 12, 2013

Forensic Shooting Incident Reconstruction Course

Michael Haag, Forensic Science Consultants
Glendale, AZ, March 20 – 22, 2013

Firearms Safety

Mike Giusto, California Criminalistics Institute
Lompoc, CA, December 18 – 20, 2012

California Association of Criminalists DNA Workshop, True Allele and Seminar

Hosted by the Kern County District Attorney's Crime Lab
Bakersfield, CA, May 7 – 11, 2012

Forensic DNA Analysis Competencies/Training

Michelle Hassler, San Diego County Sheriff's Department Crime Lab
March – August 2012

ArmedXpert Software Demo

Organized by Steve Renteria, Los Angeles Sheriff's Department
Los Angeles, CA, April 5, 2012

Biological Screening Competencies/Training

Michelle Hassler, San Diego County Sheriff's Department
January – March 2012

Forensic Explosives Seminar

Hosted by the Bureau of Alcohol, Tobacco, Firearms, and Explosives Laboratory, San Francisco
Davis, CA, October 25, 2011

California Association of Criminalists Workshops and Seminar

Hosted by the California Criminalistics Institute
Sacramento, CA, October 24 – 28, 2011

6th Annual Tri-Division Educational Conference

Arizona Identification Council, Tucson, AZ
October 4 – 7, 2011

Applied Biosystems HID Trends Seminar

Applied Biosystems, Phoenix, AZ
July 20, 2011

Mixture Interpretation: Principles, Protocols, and Practice

Presented by John Butler, Robin Cotton, Catherine Grgicak, and Charlotte Word
Mesa Police Department, Mesa, AZ, June 6 -7, 2011

California Association of Criminalists DNA Workshop and Seminar

Hosted by the Los Angeles County Sheriff's Department
Long Beach, CA, May 17 – 20, 2011

Applied Biosystems HID Trends Seminar

Applied Biosystems, Phoenix, AZ
August 26, 2010

AZTWGDAM Meeting

Tucson Police Department, AZ

April 20, 2010

FBI Auditor Training Course

Federal Bureau of Investigation Online Training

April 19, 2010

20th International Symposium on Human Identification

Promega Corporation, Las Vegas, NV

October 12 – 15, 2009

Techniques for Challenging Samples

Promega Corporation, Las Vegas, NV

October 15, 2009

Validation of New Techniques and Assays in the Human Identification Laboratory

Promega Corporation, Las Vegas, NV

October 12, 2009

19th International Symposium on Human Identification

Promega Corporation, Hollywood, CA

October 13 – 16, 2008

FBI Auditor Training Course

Richard Guerrieri and Heather Seubert, FBI Laboratory

19th International Symposium on Human Identification, Hollywood, CA

October 12 – 13, 2008

Promega PowerPlex 16 Training Course

Jonelle Thompson, Sorensen Forensics

Pima County Sheriff's Department, Tucson, AZ

October 7, 2008

Firearms Safety Training

Aaron Brudenell and John Maciulla

Arizona Department of Public Safety, Tucson, AZ

September 4, 2008

California Association of Criminalists DNA Workshop and Seminar

Hosted by The San Diego Police Department

San Diego, CA

May 6, 2008

President's DNA Initiative: DNA Analyst Training

Compiled and presented by the National Forensic Science Technology Center

Arizona Department of Public Safety, Phoenix, AZ

October 2007 – May 2008

President's DNA Initiative: Statistics and Population Genetics for Forensic DNA Analysts

Compiled and presented by the National Forensic Science Technology Center

Arizona Department of Public Safety, Phoenix, AZ

February 5 – 8, 2008

Property and Evidence Inventory/Audit Training

Todd Whittard and Robert Burris

Arizona Department of Public Safety, Phoenix, AZ

September 11, 2007

Firearms Safety Training

Jon Tew, Arizona Department of Public Safety, Phoenix, AZ
August 16, 2007

Biological Screening & Mock Trial Training

Compiled and presented by the National Forensic Science Technology Center
Arizona Department of Public Safety, Phoenix, AZ
April 2007 – June 2007

Courtskills: Courtroom Presentation of Evidence

Presented by Raymond Davis and Ron Davis
Arizona Department of Public Safety, Phoenix, AZ
May 15 – 18, 2007

STR II: Analysis and Typing

Presented by Cristian Orrego and Jeanette Wallin, California Criminalistics Institute
California Department of Justice, Richmond, CA
March 6 – 10, 2006

STR I: Analysis and Typing

Presented by Jeanette Wallin and Cristian Orrego, California Criminalistics Institute
California Department of Justice, Richmond, CA
February 27 – March 3, 2006

Statistics for DNA Databank Analysts

Presented by Dr. George Carmody, California Criminalistics Institute
California Department of Justice, Richmond, CA
January 31, 2006

Genetic Typing Methods in Forensic Science

Presented by Cecilia von Beroldingen, California Criminalistics Institute
California Department of Justice, Richmond, CA
January 10 – 13, 2006

DNA User's Group Meeting: Establishing Identity Using DNA Profiles

Presented by California Department of Justice, Richmond, CA
December 7, 2005

DNA Extraction and Quantitation. Databank

Presented by Cristian Orrego, California Criminalistics Institute
California Department of Justice, Richmond, CA
November 7 – 10, 2005

Courtroom Testimony: What to Expect and How to Prepare

Presented by Raymond Davis
California Department of Justice, Richmond, CA
September 21, 2005

AUDITING AND INVENTORY EXPERIENCE

San Diego County Sheriff's Department (Various Sections)	2013 – 2022
Virginia State Police, Richmond/Norfolk (NFSTC)	12/05/2011 – 12/08/2011
Miami-Dade Police Department, FL (NFSTC)	11/15/2010 – 11/16/2010
Property and Evidence: DPS Phoenix	10/06/2010 – 10/08/2010

Illinois State Police: Springfield (NFSTC)	05/10/2010 – 05/11/2010
Property and Evidence: DPS Phoenix	11/16/2009 – 11/18/2009
Colorado Bureau of Investigation, Grand Junction (NFSTC)	08/17/2009 – 08/18/2009
Sorenson Forensics Site Visit, Utah	08/30/2009 – 08/31/2009
Tucson Police Department	12/15/2008 – 12/16/2008
Property and Evidence: DPS Flagstaff	10/20/2008 – 10/21/2008
Property and Evidence: DPS Phoenix	11/30/2007 – 12/03/2007
Property and Evidence: DPS Tucson	09/11/2007 – 09/12/2007

PROFESSIONAL AFFILIATIONS

Phi Beta Kappa

Member: 2005 – Present

California Association of Criminalists

Corresponding Member: 2007 – 2012

Full Member: 2012 – 2022

Retired Member: 2022 – Present

Positions Held:

Endowment Committee: 2023 – Present

Lead Webmaster: 2018 – 2021

Regional Director South: 2019 – 2020

International Association for Identification

Member: 2015 – Present

Association of Firearm and Tool Mark Examiners

Provisional Member: 2015 – 2020

Regular Member: 2020 – Present

FBI San Diego Citizens Academy Alumni Association

Alumnus: April 2023 – Present

The Authors Guild

The American Society of Composers, Authors and Publishers

Public Safety Peer Support Association

Hearing Loss Association of America

National Association of the Deaf

The Association of Late-Deafened Adults

Adult Loss of Hearing Association, Southern Arizona

HONORS AND AWARDS

2022 – **Quantic School of Business and Technology** – Powell Impact and Sustainability Scholarship Award
2022 – **Sheriff (Ret.) William D. Gore** – Letter of Appreciation
2021 – **California Association of Criminalists** – Perseverance Award
2008 – **Arizona Department of Public Safety** – Director’s Unit Citation
2006 – **Attorney General of California** – Team Award Proposition 69
2005 – **Phi Beta Kappa** – Member Induction
2005 – **University of Arizona** – Galileo Circle Scholar; DaVinci Award
2002 – **Golden Key** – Member Induction

TEACHING/MENTORING EXPERIENCES

NFSTC Mixture Practical: Likelihood Ratio and Population Statistics – 6/25/2013 – 6/26/2013
Kentucky State Police

NFSTC DNA Analyst Training: DNA Amplification Module – 11/2/2009 – 11/6/2009
Michigan State Police

Biochemistry Laboratory Preceptor – 2004
University of Arizona, Department of Biochemistry and Molecular Biophysics

Department of Biochemistry Ambassador – 2004 – 2007
University of Arizona, Department of Biochemistry and Molecular Biophysics

VOLUNTEERING EXPERIENCES

Endowment Committee – California Association of Criminalists
2023-Present

Patient and Family Advisory Council Community Member – University of California San Diego Health
2023-2025

LGBTQ+ Advisory Council Member – San Diego County Sheriff’s Department
2022-2024

Executive Director – A Lasting Strength, Inc.
2021-2024

Regional Director South – California Association of Criminalists
2019-2020

Web Development Team Lead – California Association of Criminalists
2018-2021

COURTROOM TESTIMONY EXPERIENCE

Qualified Subjects: Forensic DNA Analysis
Forensic Firearms Analysis
Crime Scene Investigation and Reconstruction

Levels of Court: State (Arizona & California)
Federal (U.S. District Court for the Central District of California)

Total Number of Testimonies: 32

LANGUAGES

U. S. English – Native proficiency
American Sign Language (ASL) – Advanced intermediate proficiency
French, Mandarin Chinese – Intermediate proficiency

PUBLICATIONS

Lu, Stephen J., James E. Pennington, April R. Stonehouse, Meta M. Mobula, and Michael A. Wells. "Reevaluation of the Role of Early Trypsin Activity in the Transcriptional Activation of the Late Trypsin Gene in the Mosquito *Aedes Aegypti*." Insect Biochemistry and Molecular Biology 36, no. 4 (2006): 336-343. <https://doi.org/10.1016/j.ibmb.2006.01.011>.

Lu, Stephen J. "The Cultural Context of Forensic Laboratories in California." The CACNews, Summer 2023, August 29, 2023. <https://www.cacnews.org/news/Summer23.pdf>.

Lu, Stephen J. and Olivia A. Mendoza. "On a Mission to Improve Leadership in Forensics" Catalyst Magazine (Tucson, AZ), December 18, 2023.
https://issuu.com/uachembioc/docs/catalyst_magazine_online_fall_2023.

Lu, Stephen J. 2024. *CSI to CEO: What the Dead Can Teach Us About Life and Leadership*. Edited by Eve Porinchak. 1st ed. San Diego: Independent. <https://www.CSItoCEO.com>.

WEB DESIGN & DEVELOPMENT PROJECTS

Dec. 2024 – Present

Striae: A Firearms Examiner's Comparison Companion

URL: <https://www.striae.org>

- Designed and developed Striae, an innovative web application tailored for firearms examiners to create detailed annotations for comparison images
- Streamlined labeling, note-taking, and PDF-generation workflows, enhancing review efficiency and transparency for forensic firearms examination
- Built as a cloud-native app leveraging Cloudflare infrastructure for scalability, security, and robust performance
- Utilized modern web technologies including React, Remix, Vite, TypeScript, JavaScript, and CSS to deliver a fast, responsive, and user-friendly experience

Jan. 2019 – Sept. 2021

California Association of Criminalists Website

URL: <https://www.cacnews.org>

- Overhauled the CAC website to modernize technologies, enhance visitor engagement, and improve communication tools
- Implemented a mobile-responsive design using Bootstrap, ensuring accessibility and compatibility across devices
- Developed and maintained frontend architecture with HTML, CSS, and JavaScript
- Enhanced site functions, speed, reliability, and security with Cloudflare backend infrastructure

PRESENTATIONS GIVEN

April 14, 2022

California Association of Criminalists

2022 General Seminar, Long Beach, CA

Increasing Cultural Intelligence (CQ) in Forensic Laboratories

Stephen J. Lu, Forensic Leaders Training Center

October 3, 2017

Regional Crime Scene Investigators Study Seminar, San Diego, CA

Organized by Cathy Chang, San Diego County Sheriff's Department

Triple Fentanyl Overdose Case Presentation

Stephen J. Lu, San Diego County Sheriff's Department

December 7, 2010

California Association of Criminalists

Southern Study Groups, DNA

Hertzberg-Davis Forensic Science Center, Los Angeles, CA

Of Meth and Men: The Story of a Willcox Murder, Meth, and \$170

Stephen J. Lu, Arizona Department of Public Safety Southern Regional Crime Lab

- January 29, 2005 **University of Arizona**, Tucson
The Undergraduate Biology Research Program
Regulation of Midgut Protease Expression and Oogenesis in Aedes aegypti.
Stephen J. Lu, Tracey L. Paetow, James E. Pennington, and Michael A. Wells.
- April 16, 2004 **University of California, San Francisco**
UCSF Alliances for Graduate Education and the Professoriate Colloquium
Characterizing the Transcriptional Regulation of Late Trypsin Expression in Aedes aegypti.
Stephen J. Lu, James E. Pennington, and Michael A. Wells.
- November 20, 2003 **University of Arizona**, Tucson
The Undergraduate Biology Research Program
DATABLITZ Presentation
Neutral Lipid Trafficking Differentiates Niemann-Pick C (NPC) 1 from NPC2 Mutant Fibroblasts
Stephen J. Lu
- August 7, 2003 **Section of Lipid Cell Biology/LCBB, NIDDK,
National Institutes of Health**, Bethesda, MD
Undergraduate Summer Internship Program
Neutral Lipid Trafficking Differentiates Niemann-Pick C (NPC) 1 from NPC2 Mutant Fibroblasts
Stephen Lu, Nancy Dwyer, Marcy Comly, and Joan Blanchette-Mackie.
- January 25, 2003 **University of Arizona**, Tucson
The Undergraduate Biology Research Program
Characterizing the Transcriptional Regulation of Late Trypsin Expression in Aedes aegypti.
Stephen J. Lu, James E. Pennington, and Michael A. Wells.
- August 2, 2002 **University of Arizona**, Tucson
The Undergraduate Biology Research Program
National Science Foundation/Research Experience for Undergraduates
Exploration of Peptide Factors that Regulate Late Trypsin Synthesis in Aedes aegypti.
Stephen J. Lu, James E. Pennington, and Michael A. Wells.