

**Patrick Hogan, BSE.**  
*Curriculum Vitae*

**EDUCATION:**

B.S.E. **Arizona State University**, Tempe, AZ, May 2019 (Biomedical Engineering)

Additional Coursework **Collision Safety Institute**  
Crash Data Retrieval (CDR) Technician (April 2021)  
Collision Data Retrieval (CDR) Data Analyst (April 2021)

**PhotoModeler Technologies**  
PhotoModeler for Collision Investigation (September 2020)

**LightPoint Data**  
Advanced PhotoModeler for Collision Reconstruction (March 2022)  
Motorcycle Collision Reconstruction (November 2022)

**Faro®**  
FARO Zone 3D Core (January 2023)

**Axon**  
Axon Investigate Operator Certification (April 2023)  
Axon Investigate Examiner Certification (April 2023)  
Axon Investigate Metrologist Certification (May 2023)

**Virtual CRASH**  
Virtual Crash Accident Reconstruction Software Course (January 2024)

**POSITIONS HELD:**

07/19 – present **Biomechanics Research & Consulting, Inc.**, Tempe, AZ  
Senior Forensic Case Analyst

10/18-12/18 **Desert Platforms Medical Device Consultancy.**, Phoenix, AZ  
New Product Development Engineering Intern

06/14-09/14 **Kentz Corp. Ltd. Member of the SNC-Lavalin Group.**, Doha, Qatar  
Engineering Intern

**HONORS:**

09/15-05/19 New American University Scholar (Arizona State University)  
05/19 Graduated Cum Laude (Arizona State University)

**RESEARCH PROJECTS:**

**Arizona State University**, Tempe AZ (August 2016-May 2019)  
Fishbone Prosthetic Design Team  
Aided in the Design and Development of an upper limb prosthetic.

**Arizona State University**, Tempe AZ (August 2016-May 2019)  
Research and Development of a Volume Adjustable Transtibial Socket

**NATIONAL CONFERENCE PROCEEDINGS:**

Smith, A., **Hogan, P.**, Ruiz, R.: Improved Force Distribution in Novel Passively Cooled Socket. *Biomedical Engineering Society*, 2018. Poster Presentation

## **PATENTS:**

Smith, A., **Hogan, P.**, LaBelle, J. (2019) Volume Adjustable Transtibial Socket. US Patent 11,173,057 B2, filed December 2, 2019, and issued November 16, 2021.

## **CONFERENCES:**

### **2023 Southwestern Association of Technical Accident Investigators (SATAI) Conference (August 2023)**

- Alan Moore: Reconstructing Accidents in the ADAS (Advanced Driver Assistance Systems) Age.

### **2024 Southwestern Association of Technical Accident Investigators (SATAI) Conference (January 2024)**

- Eugene Liscio: 3D Technologies for Crash Scene Documentation.
- Compass Kinetics: Motorcycle Reconstruction Topics.

## **PROFESSIONAL AFFILIATIONS:**

Society of Automobile Engineers (SAE)

Southwestern Association of Technical Accident Investigators (SATAI)

National Association of Professional Accident Reconstruction Specialists (NAPARS)