

STEPHAN L. BLANZ

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WORK EXPERIENCE

Neural Engineer, R&D

May 2019 - Present

Department of Biomedical Engineering, *University of Wisconsin – Madison*

- Developed, designed, and implanted devices to record and stimulate neural tissue
- Large animal peripheral nervous stimulation subject matter expert
- Fully developed an automated robot to perform craniotomies in rodents

Undergraduate Research Assistant

Nov 2017 – May 2019

Department of Biomedical Engineering, *University of Wisconsin – Madison*

- Developed, designed and implanted devices to record and stimulate neural tissue

Security Manager

Jan 2016 – Dec 2016

Segredo LLC

- Supervised up to 20 employees in a 1000-person capacity music venue.

Senior Explosive Ordnance Disposal (EOD) Technician

Oct 2006 – Jul 2014

United States Navy

- **Assistant Operations Manager**

Supervised 100 employees and oversaw logistics and operations

- **Command Secret Service Coordinator**

Managed 25 different teams of two personnel each conducting protective missions

- **United States Secret Service Support Team Leader**

Ensured the safety and security of the President, Vice President, and other distinguished protectees and their families

- **Bomb Technician**

Defused explosive devices while conducting combat operations

- **Diver**

Conducted over 100 dive operations

- **Medic** (Navy Corpsman)

Assisted physicians and nurses with emergency treatment of patients

RELEVANT SKILLS

Software / Programming Languages:

Python, JAVA, C++, C#, SOLIDWORKS, MATLAB, Mathematica, R Studio, LTSpice, All Microsoft Office Products, Adobe Photoshop, Illustrator

Foreign Languages:

German: Conversational Fluency

Additional Certifications:

Lean, Six Sigma White Belt, State of Wisconsin Emergency Medical Technician

VOLUNTEER WORK

Emergency Medical Technician

Jul 2015 - Present

Waunakee Area EMS

PUBLICATIONS

Clinically-derived Vagus nerve stimulation enhances cerebrospinal fluid penetrance. *Brain Stimulation*. 2020.

EDUCATION

University of Wisconsin – Madison

May 11, 2019

Bachelor of Science in Biomedical Engineering

GPA: 3.6 / 4.00