

Stephen 'James' Parsons Jr.

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Education

Drexel University, School of Biomedical Engineering, Philadelphia, PA
Bachelor of Science in Biomedical Engineering, Graduated: 2017

Coastal Carolina Community College, Jacksonville, NC
Associate of Science, Associate of Pre-Engineering, Graduated: 2013

Relevant Coursework

Microbiology and Genetics	Techniques in Molecular Biology	Principles of Molecular Biology
Mechanics of Biologic Systems	Anatomy and Physiology I, II	Organic Chemistry I, II
Physics I, II, III	Software Engineering	MatLab for Biomedical Engineering I, II
Electric Circuits Engineering	Body Synthetic	Introduction to Microprocessors

Honors and Awards

Viking Rage, Maya Literary Magazine, Published 2017
Sensor Array Design Grant \$3000, Drexel Smart House 2015

Experience

DSM Biomedical, Exton, Pennsylvania

Product Development / Tissue Lab Assistant, April to September 2016

- Preparations, digestions, and isolation of ASCs from human adipose tissue
- Researched academic papers for potential market viability.
- Modeling and fabrication of device fixtures for testing.
- Performed verification testing on new devices.

Community College of Philadelphia, Pennsylvania

Biology Lab Technician, April 2015 to August 2016

- Preparation of laboratory experiments.
- Maintain equipment in proper working order.
- Prepare chemical solutions and growth media in accordance and established protocols.
- Maintain living cultures and care for live materials used in the laboratory.

United States Navy, Illinois, Japan, North Carolina, Iraq, and California

Senior Corpsman, 2004-2009

- Maintained optimal medical readiness of three hundred marines
- Trained thousands of Marines in first aid and combat trauma triage
- Supervised twelve corpsmen, managing daily duties, and verifying work
- Provided patient care as an EMT in emergency room
- Served as purchasing manager for an annual budget of \$60,000 for repairs and supplies

Skills

Microbiology Lab Work: Aseptic technique, staining, culture methods, DNA isolation, characterization, and manipulation

Organic Chemistry Lab Work: recrystallization, distillation, extraction, chromatography

Software: Microsoft Office Suite, Adobe CS, Sketch-up, Blender, Unity, ImageJ,

Programming Software: RealBasic (xojo), MatLab, Xcode (Swift), C++, Java, Python, JavaScript

Activities

President Maya Literary Magazine 2016-17

Vice President Drexel Entrepreneurial Association 2016-17

President and board of trustees, Coastal Carolina Community College Student Government 2011-12