

DANIEL COPELAND

234 Puritan Rd
Swampscott, MA 01907

Daniel.i.copeland@vanderbilt.edu

781-775-3355

EDUCATION

Vanderbilt University Nashville, TN

Major: Bachelor of Engineering, Mechanical Engineering

May 2016

GPA - 3.7/4.0, Dean's List

Chancellor Scholar

A select group of Vanderbilt students who show a strong commitment to leadership, scholarship, citizenship and diversity.

Tufts Post-Baccalaureate Medical Program

Fall 2016 -Present

Study Abroad, University of Edinburgh - Edinburgh, UK

Winter/Spring 2015

Global India Program, Christ University - Bangalore, India

Summer 2013

Culture and Civilization of South Asia, Globalization and Innovation

Swampscott High School - Swampscott, MA

Fall 2008 - Spring 2012

Brown University - Providence, Rhode Island

Summer 2011

Scholar Athlete Program- Biomechanics of Sports and Exercise

EXPERIENCE

Harvard Orthopedic Trauma Summer Internship Boston, MA

Summer 2016

Research Intern/Engineer

- Designed and built medical devices e.g. (ventilators, crutches and wound vacuums) and observed orthopedic surgeries

LEK Summer Associate Internship Boston, MA

Summer 2015

Summer Associate

- Played an integral part in in two cases, an asset screen and a global scale up, for two pharmaceuticals companies.
- Responsible for primary and secondary research, sourcing, scheduling and participating in interviews, modeling, deck preparation and quality control.

Vanderbilt Nanomaterials and Energy Devices Laboratory Nashville, TN

Fall 2014- Fall 2015

Research Assistant

- Designed, created and tested innovative graphene based energy storage devices.

MGH Harris Orthopedics Lab Boston, MA

Summer 2014

Research Intern

- Collected and analyzed research data on murine studies of gait analysis using Excel.
- Assisted in the development of a bi-layered polyethylene material that facilitates bone and cartilage regrowth.
- Played key role in the creation of a method to quantitatively measure the effect of Ultra High Molecular Weight Polyethylene particles on surrounding tissue.

TOP 96 Beverly, MA

Summer 2011-2012

Traveling videographer and equipment manager

- Baseball videographer. Operated 15 3-day clinics in over a dozen states with college baseball coaches.
- In charge of daily clinic operations including videotaping and editing film of prospective college ball players.
- Responsible for booking flights, managing \$1000's of video equipment and other essentials such as coaches' stipends.

HONORS AND LEADERSHIP

National Honors Society

North Shore Chamber of Commerce Honors Scholar 2012

Camp IF (Inter-Faith) Leadership Program:

Summer 2011

Representative for the Anti Defamation League's (ADL) Camp IF

- Graduated from this 7-month Inter-Faith Leadership Program that brings together Muslim, Christian, and Jewish teens to develop the leadership skills to foster greater interfaith dialogue, understanding, and respect.

Anti Defamation League's National Youth Leadership Mission, Washington, DC

Summer 2011

Massachusetts Representative Selectee

Ford School Chess Team Founder/Coach

SKILLS

Proficient in Excel, Word, Matlab and Creo CAD software (Pro/E)

MEMBERSHIP

Alpha Epsilon Pi Fraternity, Brother

Vanderbilt Formula One Racing Team, Car design and construction

High School Organizations:

International Relations Club, Officer

Ivy League Model United Nations Conference, Officer

Soccer/Baseball/Swimming/Math/Chess Teams

COMMUNITY SERVICE

The Mary Parrish Center for Victims of Domestic and Sexual Violence, Fundraising

Special Olympics, Coaching

International Camper Exchange Program, Costa Rica

Ford School Reading Buddies, Tutoring Students for the MCAS