

Alexander D. Gotsis

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Education

Carnegie Mellon University

Pittsburgh, Pennsylvania

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

Expected May 2019

- Overall GPA 3.77/4.00
- Major GPA 4.00/4.00
- Carnegie Institute of Technology Dean's List Fall 2015

The Hotchkiss School

Lakeville, Connecticut

HIGH SCHOOL DIPLOMA, WITH HONORS

May 2015

- Awards: Technical Theater Award, Service Award, AP Scholar with Distinction

Selected Coursework

Structure and Design of Digital Systems Intro to Electrical Computer Engineering Calculus in Three Dimensions
Introduction to Imperative Programming Engineering the Materials of the Future Physics I/II for Engineers

Experience

Eberly Teaching Center

Pittsburgh, Pennsylvania

EBERLY TEACHING CENTER DEVELOPER

Sept. 2016 - PRESENT

- Design and implement programmatic online course tools with JavaScript and jQuery for the Open Learning Institute.
- Light system administration work.

Electrical and Computer Engineering/Auditory Lab (Prof. Heller and Grover)

Pittsburgh, Pennsylvania

ELECTRICAL AND COMPUTER ENGINEERING RESEARCH ASSISTANT/SYSTEM ADMINISTRATOR

May 2016 - PRESENT

- Engineer mobile application intended to assist in teaching echolocation skills to visually impaired persons on a interdisciplinary team with the Psychology and ECE departments under Professors Heller and Grover.
- Provide back-end design for and administrate data collection server.

Materials Science Department (Dr. Heard)

Pittsburgh, Pennsylvania

MATERIALS SCIENCE RESEARCH ASSISTANT

Jan. 2016 - Apr. 2016

- Prepare and analyze samples for Dr. Heard's research on the production of composites using thermoset wastes, aiming to find a viable reuse for the massive amount of discarded thermoset plastics.

Carnegie Mellon University School of Music

Pittsburgh, Pennsylvania

SOUND RECORDING ENGINEER

Sept. 2015 - PRESENT

- Produce multitrack recordings of School of Music events with ProTools. Mix sound for the livecasts of performances.
- Provides occasional video support.

Extracurricular Activities

- **Activities Board Technical Committee** CORE MEMBER & EXECUTIVE BOARD (2016)
Entirely student driven, as a member of the Executive Board, plans and implements event production services for campus events from small events to well known concert performers, implementing complex 3-phase power systems, and high grade audio and lighting rigs.
- **CMU Explorers Club** MEMBER & HIKING CHAIR (2016)
CMUX is an outdoors club dedicated to making outside more accessible, and encouraging others. Organizes hikes as hiking chair.
- **Formula SAE Electric** MEMBER
Part of a team building an all-electric racecar, designing and manufacturing all components of the car, to compete with other teams.

Skills/Hobbies

Python Debian/UNIX System Administration SystemVerilog Hiking/Backpacking
JavaScript/jQuery C/C0 AutoCAD/SolidWorks Emergency Medical Responder