

# Alexander D. Gotsis

Carnegie Mellon University, SMC 6152, Pittsburgh, PA 15289

☎ (845) 341-3978 | ✉ agotsis@andrew.cmu.edu | 🌐 www.agotsis.org | 📱 agotsis | 📧 adgotsis

## Education

### Carnegie Mellon University

Pittsburgh, Pennsylvania

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

Expected May 2019

- Overall GPA 3.68/4.00
- 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 relating to 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.
- Provide occasional video support.

## Extracurricular Activities

- **Activities Board Technical Committee** CORE MEMBER & EXECUTIVE BOARD (2016)  
Entirely student driven, as a member of the Executive Board, plan and implement 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. Organize 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