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 3.68/4.00
- 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