**COMP O. SITE**

andrew.smith1@gmail.com | 412.889.4600 (Cell)

U.S. Citizen

**EDUCATION**

**Carrick High School** Pittsburgh, PA

Overall GPA: 3.31/4.00 June 2020

**RELEVANT COURSES**

Intro to Materials Science and Engineering Transport of Materials

Calculus in 3D Advanced Programming in Java

Physics I, II for Engineers Structures of Materials

**SKILLS**

**Applications:** Minitab, Labview, MathCAD, Java, Python, MS Office

**Instruments:** Furnace, Optical Microscope

**Spoken Languages:** Conversant in Spanish

**WORK EXPERIENCE**

CARRICK HIGH SCHOOL

**Research Assistant, Materials Science and Engineering** August 2019 - present

* Evaluate the surface properties of various AL finishes
* Perform ongoing mechanical testing and analysis

**Manufacturing Engineering Intern, Telephonics Corporation** June 2019-Aug. 2019

* Collaborated with a senior manufacturing engineer in projects surrounding Identification of Friend or Foe (IFF) technology UPX -40 and UPX-43 Radar
* Created sketches for parts using AutoDesk AutoCAD software
* Spent time on board cell production line soldering and inspecting PC boards for production

**Irrigation System Installation Workman** Summer 2018

* Assisted Senior Associate with plumbing, head installation, Ditch Witch, trench digging, wiring, and programming
* Developed schematics using proper measurements and gauges
* Applied and spread appropriate amounts of loam and grass seed post-installation

**PROJECTS**

**Synthesis of Titanomagnetite,** Phase Diagrams and Relations Fall 2017

* Used and created precursors, such as ulvospinel, to synthesize a titanomagnetite and analyze the properties of two different compositions to simulate the behavior of materials on Mars

**ACTIVITIES**

**Varsity Basketball,** Carrick High School: 2017 - present

**Intramural Softball,** Carrick High School: 2017 - present

**Intramural Doubles Table Tennis,** Carrick High School: 2018

**National Honor Society, Secretary** (20XX), Carrick High School: 2017 – 2018

**Varsity Soccer, Captain** (20XX), Carrick High School: 2017 – 2019

**HONORS**

Honor Roll Dean’s List: Spring 2019

Carrick High School Mathematics Award: 2018

Pittsburgh Institute of Technology Book Award: 2017

U.S. Marines Scholarship: 2017