

ANDREW J. PLESNIAK

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EDUCATION

University of Pittsburgh, Pittsburgh, PA
Bachelor of Science

Expected: April 2019

Major: Mechanical Engineering

Cumulative GPA: 3.7/4.0

Relevant Courses:

- The Art of Making: Hands-on System Design in Engineering
- Honor's Engineering Analysis and Programming

HONORS

University of Pittsburgh Chancellor's Nominee Scholarship

September 2014

IBM- Thomas J. Watson Memorial Scholarship

June 2015

Frank W. Preston Engineering Scholarship

June 2015

EXPERIENCE

Mascaro Center for Sustainable Innovation, Pittsburgh, PA

January 2016 – May 2016

Research Assistant to Professor William Clark

- Headed project evaluating new inertial measurement technology
- Programmed inertial measurement unit in C++
- Processed and analyzed raw accelerometer and gyroscope data in MATLAB
- Researched mapping human motion with inertial measurement units
- Presented weekly findings in front of a panel for review

Treesdale Country Club, Mars, PA

July 2013 – August 2016

Golf Concierge and Golf Cart Attendant

- Coordinated the distribution, use, and cleaning of 120 golf carts each day
- Welcomed club members and ensured customer satisfaction

TECHNICAL SKILLS

- Computer Aided Design/Manufacturing (CAD/CAM) programs
 - SolidWorks
 - Autodesk products: AutoCAD, Inventor
 - MasterCAM
- Programming skills
 - C++ and JavaScript
- MATLAB
- Manufacturing knowledge
 - Experience with Computer Numerical Controlled (CNC) equipment
 - Machine shop experience
 - Fabrication of custom parts
- Rapid prototyping
- Basic front end web development
- Microsoft Office Products

LEADERSHIP

Engineering Student Council

September 2015 – Current

- Freshman E-week Co-Chair
- Collectively planned the largest annual event in the Swanson School of Engineering

National Society of Leadership and Success

September 2015 – Current

- Attended seminars and workshops to improve leadership skills