

Katie Pucci

Mechanical Engineer & Computer Engineering Student

Personal Info

Address

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Website

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Languages

Java
Advanced

Python
Proficient

JavaScript
Proficient

HTML
Proficient

MAPDL
Proficient

C++
Basic

C#
Basic

Software

ANSYS
Advanced

SolidWorks
Expert

Visual Studio
Proficient

Driven and enthusiastic computer engineering senior with a BS in mechanical engineering and 3 years of industry experience seeking a full-time position starting in January, 2019.

Experience

2017 -
present

Testing Co-Op

ANSYS, Inc.

- Created and maintained tests for various ANSYS products using JavaScript, Python, and MAPDL
- Applied mechanical engineering knowledge to improve the effectiveness of tests
- Aided in development of a new ANSYS extension
- Designed testing plans for ANSYS’ Additive Manufacturing product
- Performed builds of ANSYS’ automated testing program using Visual Studio and TFS
- Monitored regression machines with Windows and various Linux operating systems

2014 -
2016

Mechanical Engineer

ElectroMechanical Engineering Associates

- Modeled and analyzed large electromechanical systems via CAD and FEA software
- Performed on-site evaluations, vibrational testing, and acoustic testing on turbo-machinery
- Prepared technical reports detailing analysis and testing results
- Utilized ASME, IEEE, and NFPA standards to write process specifications
- Managed both individual and team-based projects
- Communicated regularly with customers and vendors
- Improved productivity by writing programs using VBA, C#, and Solidworks API

Education

08.2016 -
12.2018

The University of Pittsburgh, Pittsburgh, PA

Bachelor of Science, Computer Engineering
Cumulative GPA: 3.85/4.00

08.2010 -
05.2014

The Pennsylvania State University, University Park, PA

Bachelor of Science, Mechanical Engineering
Cumulative GPA: 3.32/4.00

Certificates & Awards

- 05.2018 American Collegiate Hockey Association Academic All-Star
- 04.2017 Tau Beta Pi Honor Society induction
- 08.2015 SolidWorks Mechanical Design - Professional Certification (CSWP)
- 01.2016 SolidWorks Advanced Sheet Metal - Professional Certification
- 04.2012 Best Design Communication Award

Leadership Positions

2012 -
2014

Penn State Women’s Ice Hockey Club

Vice President & Co-Founder

- Coordinated team meetings and events
- Acted as liaison between Penn State and other university clubs
- Communicated daily with coaches, university club officials, and league officials
- Recruited prospective players and promoted club for future seasons