

# Hervé Nyemeck

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## Experience

Python JavaScript Git TFS NPM  
Visual Studio ANSYS Mechanical  
Linux (Cent OS, SUSE, RedHat)  
ANSYS Discovery Selenium

## Exposure

Java C# React.JS Django Unity  
Android Studio Google Firebase  
HTML CSS  
Amazon Web Services

## Work Experience

**Software Testing Co-Op**, ANSYS Inc., Canonsburg, PA

January 2018 – August 2019

- Wrote code for and tested engineering simulation for ANSYS' Mechanical Solver using testing harnesses
  - o Created integration and regression tests, developed helper files in Python and JavaScript
    - > Wrote tool to validate mesh inputs in ANSYS against imported baseline
    - > Refactored XML parsing tool to use standard python libraries
  - o Wrote coverage matrices and test plans for areas of product
  - o Reviewed developer code through pull requests, validated and tested changes
- Developed syntax highlighter extension for proprietary file types using scopes and regular expressions within VS
  - o Developed language grammar
  - o Created rules and scope selectors based on Microsoft TypeScript
- Created regression tests ran against additive manufacturing simulations and other ANSYS workflows
- Tested support generation and validated residual stress on various simulated builds with different additive materials
- Tested different meshing and voxelization techniques for FEA materials and builds

**Junior Web Developer**, America's Future Workforce, Washington, DC

June 2016 – August 2016

- Designed and formatted front-end of various webpages using HTML and CSS

## Education

**Bachelor of Science** – University of Pittsburgh – Major: Mechanical Engineering – Expected Date of Conferment: Dec. 2019

Current Cumulative GPA: 3.0/4.0

High School Diploma – School Without Walls Senior High School, Washington DC

Extra – George Washington University Early College Program (1 Semester)

## Honors/Awards

**Pitt Challenge 2019 Hackathon Winner** – *Third Place Overall* – Developed 3D Virtual Reality Surgery Simulator

**Hack This Help Kids** – *Runner-up* – Developed fullstack NICU classification webapp

**First Place Winner in Engineering at DC STEM Fair** – March 2015

**First Place Excellence in Engineering at DC STEM Fair** – *ASME* – Awarded for research on hydrogen combustion technology

**International Society for Performance Improvement** – 5-minute Science Fair

## Projects

*AlbumRandomizer App*

Developed android app to randomly choose and display album art from google firebase database with history

## Extracurricular Activities

**Pitt WiCS (Women/Diversity in Computer Science)**, Member

**Pitt Aero**, Member(fuselage)

**Pitt Improvisation**, Member

September 2018 – Present

September 2017 – January 2018

September 2015 – April 2017