

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 – Graduated Dec. 2019 – GPA: 3.03/4.0

Certificate for Engineering Simulation in Design – University of Pittsburgh

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

September 2018 – December 2019

Pitt Aero, Member(fuselage)

September 2017 – January 2018

Pitt Improvisation, Member

September 2015 – April 2017