Chris Pattison

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Skills

- 4 years utilizing Linux platforms

- 1 year experience CFD using OpenFOAM and Autodesk Simulation CFD

- 5 years programming in C#

- Familiarity with C/C++ and memory management concepts

- Familiarity with Python and SQL

- 3 years experience with Autodesk Inventor

- Working academic knowledge of gas turbine systems, Brayton Cycle, and turbomachinery mechanics

Education

University of North Texas

Enrolled in the Texas Academy of Math and Science, an early college program located at UNT. Completed the first year with a 3.8 GPA. Coursework for the Fall 2015 semester includes Computational Fluid Dynamics, a class focusing on CFD methods.

Work Experience

Researcher at University of North Texas (Fall 2014 - Present)

Modelled the effects of placing a chimney brush in a heat exchanger in order to improve the heat transfer characteristics of an existing, non-modifiable design using open source software including OpenFOAM, SALOME, and Gmsh

Software Intern at MW Logistics (Winter 2014)

Designed and developed database integrated software to increase workplace productivity using C# and T-SQL

Projects

- Designed and developed innovative new software within 24 hours at Developer Week 2015 and HackDFW 2015

    - CrossFadr - a music discovery service playing 30 second snippets of random non-genre specific music
    - CrashNet - notifies contacts on the detection of a car crash with medical and location information

- Designing a 100 kW axial turboshaft flight engine with a focus on reduced weight and higher efficiency than previously attained for an engine of that size