Timothy Asher

ashertim@vt.edu   757-880-1833

EDUCATION

VIRGINIA TECH
BS in Computer Science
Minor in Organizational Leadership
Expected Fall 2022
GPA: **3.42** / 4.0

COURSEWORK

Data Structures and Algorithms
Software Design and Data Structures
Computer Organization I & II
Professionalism in Computing
Problem Solving in Computing
Linear Algebra
Discrete Mathematics
Combinatorics
Statistics for Engineers

SKILLS

LANGUAGES

Java	HTML
Python	CSS
C/C++	MATLAB

TOOLS

Git	Jupyter Notebook
Terminal	VS Code
Eclipse	LaTeX
SQL	Minitab
Linux	

OTHER

Leadership
Problem-Solving
Critical Thinking
Presentation
Communication
Time Management
Spanish

LINKS

ashertim.github.io

LinkedIn.com/in/ashertim

GitHub.com/ashertim

EXPERIENCE

Virginia Tech Department of CS / Teaching Assistant
AUG 2021 - PRESENT, Blacksburg, VA
- Helping students with Python code and answering questions to improve their understanding of the language
- Developing Python projects for the class

Lowe's Companies, Inc. / Merchandising Service Associate
JUN 2021 - PRESENT, Newport News, VA
- Working in a fast-paced, team environment
- Deploying product displays and maintaining merchandise inventory

NASA Langley Research Center / Data Analyst (Mentorship)
JUN 2018 - JUN 2019, Hampton, VA
- Tested boundary layer manipulators for a model fuselage with NASA research engineers
- Analyzed data and created plots for presentation

PROJECTS & RESEARCH

Personal Website / HTML & CSS
- Built a resume and portfolio website
- Learning HTML & CSS to continuously improve and update the website
- Future plans include interactive features using Javascript

"Boundary Layer Manipulation Risk Reduction Test" / Excel
- Tested several boundary layer manipulator configurations on fuselage model in transonic, cryogenic wind tunnel
- Analyzed pressure and velocity data in Excel
- Created plots to compare test data to computational fluid dynamics models

Clean Energy Library / Inventor & 3D Printer
- Developed a model of a self-sustaining library capable of powering parts of the surrounding community
- Won the Green Award at Hampton Roads Tech Ramp 2019

INVOLVEMENT

Artificial Intelligence & Machine Learning Club / Member
FEB 2020 - PRESENT, Virginia Tech

Developer Student Club / Member
SEPT 2020 - PRESENT, Virginia Tech

Marching Virginians / Member
AUG 2019 - PRESENT, Virginia Tech

Galileo Living Learning Community / Member
AUG 2019 - APR 2020, Virginia Tech