Eric B Martin

Computer Scientist

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Overall GPA: 4.000
Dean's List: Aug 20 - Present

"BRINGING A TEST-DRIVEN APPROACH TO DEVELOPMENT ALONGSIDE A KNOWLEDGE OF THE OWASP SECURITY FRAMEWORK I ATTEMPT TO DESIGN CODE THAT IS BOTH MAINTAINABLE AND SECURE FROM THE START."

Skills

"I have personally used the following skills but still have much to learn about each"

Python, C++, Java, C, C#, JavaScript, MATLAB, Bash, YAML
React, Bootstrap, MariaDB, JSON, Anaconda, Numpy, MatPlotLib, Pandas, Junit, JEST
Test-Driven-Development, OWASP security knowledge, Agile, Clean Code
Project/Requirements Management, SCRUM, Maven, GitHub, Jupyter Notebooks, Kanban
Blockchain, Cyber-Security, Machine Learning, Neural Networks using Keras
Linux, Windows, Kubernetes, Docker, Virtual Machines

Education

Current Candidate: GPA (4.000)
B.S. Computer Science, Colorado State University — Expected Graduation B.S - May 2023

B.S. Chemistry, Colorado State University (GPA 3.34) — May 2013

Experience

Cybersecurity and Privacy Internship — Aug 2021 - Present
Threat and Vulnerability Team - Colorado State University
- Run comprehensive monthly Nessus vulnerability scans on all of CSU's subnets
- Develop Python scripts that upload vulnerability scan results into secure databases
- Assist in the creation of a visual dashboard for subnet managers highlighting report findings
- Participate in CTF challenges and other cybersecurity-based events

Undergraduate Research — May 2021 – Aug 2021
Visualization of Covid-19 data - Dr. Ghosh - Colorado State University
- Performed visualization of geo-located data utilizing Pandas, Geopy, Nominatum, and Leafly
- Displayed clean, full-screen maps visualizing various data with a focus on Covid-19 datasets.
- Developed a Python script to clean/parse CSV files and apply geolocator methods to the data

Software Developer / Consultant — Sept 2020 - Present
LabFlow LIMS - United Kingdom
- Working to help create an innovative web-based laboratory information management system
- Create collaborative wire-frame maps to plan out the development project using Miro
- Utilize Figma as a collaborative Front-End Development design platform

Memberships

Blanchard Group – Machine Learning — Nov 2021 - Present
HashDump Cybersecurity Club — Aug 2020 - Present
Applied Computing Machinery Student Member — Nov 2020 - Present

Volunteering

CSU CS Department – Ram Welcome Event — Aug 2021
Duo Mobile Help Desk – 2FA Rollout — Oct 2021 - Present

Hobbies

DnD, Board Games, Martial Arts, LARPing, Renaissance Festival, Hiking, Working out, Shenanigans, Traveling, Learning new things, Hearthstone, League of Legends, Eating interesting foods