Graham Blackford

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INDUSTRY CERTIFICATIONS

CompTIA A+ (January 2023) | CompTIA Security+ (October 2023) | TestOut PCPro (December 2022)

TECHNICAL SKILLS

Programming Languages: Python, C#, JavaScript, HTML/CSS, XAML, SQL
Frameworks and Engines: WPF (Windows Presentation Foundation), Unity
Information Technology: Deployment, support, and securing of both hardware and software
Workflows: Git, CI/CD Pipelines, Confluence, Jira, Microsoft Office Suite

EDUCATION

Western Colorado University CU Boulder Partnership   Gunnison, CO
Bachelor of Science, Computer Science (in progress)   May 2028

Cherokee Trail High School / Cherry Creek Innovation Campus   Cumulative GPA 3.97 | Weighted GPA 4.45
High School Diploma | Graduated with STEM Baccalaureate and AP Scholar with Distinction   May 2024

RELEVANT COURSEWORK

Cyber Security I: Computer Systems | Cyber Security II: Networks and Security | Cyber Security III: Ethical Hacking | AP Computer Science Principles | AP Physics 1 | AP Chemistry | AP Calculus AB

RELEVANT PROJECT EXPERIENCE

Capstone IT Project, *Sophisticated Intrusion Detection and Response System*   January 2024 - April 2024
- Developed a network management and intrusion detection and response system in C# capable of network device configuration in addition to detection and response of Denial-of-Service attacks.
- Led extensive research and implementation of SNMP and SSH network management protocols, methods for secure communication with network devices, and network traffic anomaly detection methods.
- Utilized SCRUM project management framework in collaboration with the business department
- Project Repository: https://github.com/CCIC-SIDaRS/SIDaRS-V1

RELEVANT WORK EXPERIENCE

Lockheed Martin Space – Ignite Nebula   Littleton, CO
High School Student Tech   May 2024 – Present
- Used Python, JavaScript, and HTML/CSS to develop a webapp capable of the identification and mitigation of potential cyber threats based on user provided system information and artifacts.
- Worked with a distributed agile development team gaining further experience in Git, Jira, Confluence, and secure coding pipelines and practices.

Lockheed Martin Space – Ignite Nebula   Littleton, CO
High School Student Tech   June 2023 – May 2024
- Used Unity, C#, and Python, to develop processing, database infrastructure, and visualization for satellite orbits and the tracking of data retrieved from space-track.org and other internal data sources.
- Worked with a distributed agile development team gaining experience in Git, Jira, Confluence, and secure coding pipelines and practices.

EXTRACURRICULAR INVOLVEMENT

CyberPatriot | Cherry Creek Innovation Campus   August 2023 – December 2023
- Scored in the top third of all teams nationally
- Found and secured vulnerabilities in Windows, Linux, and Cisco systems.

CyberPatriot | Cherry Creek Innovation Campus   August 2022 – January 2023
- Scored in the top half of all teams nationally
- Found and secured vulnerabilities in Windows, Linux, and Cisco systems.