Oliver Perrin

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EDUCATION

Appalachian State University - Computer Science BS, Mathematics Minor, Data Science Certificate   Expected May 2026

- Built mathematical language interpreters in **Haskell**, developed a **Y86 Pipelined Assembly** simulator in **C** and **C++**, worked in a team to develop a video game in **Java**, and presented data through my own website using **d3.js** and **Tableau** dashboards
- Team Captain in the university's Esports club.

SKILLS

Coding Languages: Java, C, C++, SQL, Python, JavaScript, HTML, CSS, Haskell, Assembly (x86, Y86, LC-3)
Libraries/Tools: Alembic, Tailwind, React, Node.js, d3.js, Jupyter Notebook, Pandas, Plotly, Makefile, CMake, Maven
Analytics: Artificial Intelligence, Data analysis, data cleaning, visualizing data, presenting findings, intercultural teamwork

EXPERIENCE

The Global Career Accelerator | *SQL & Python Trainee* | Remote   May, 2025 - July, 2025

- Analyzed real-world datasets in **Jupyter Notebook**, producing actionable insights and recommendations
- Communicated data analysis results verbally, in writing, and by creating visualizations in **Plotly**
- Examined user behavior across various industries and scenarios, identifying key trends and patterns
- Collaborated with a diverse global team to complete tasks and deliver timely and accurate projects

Triaxis Power Consulting LLC | *IoT Systems Development Intern* | Charlotte, NC   June-August, 2023 & July-August, 2024

- Developed a Raspberry Pi-based monitoring system to measure pipe temperature variations and structural changes within fossil fuel power plants.
- Conducted research to ensure continuous operation and optimized data uploads to cloud storage as well as integrating advanced software updates and resolving sensor accuracy issues.
- Researched, recommended, and implemented a Network-Attached Storage (NAS) solution, streamlining the company's workflow and significantly reducing cloud storage costs.
- Enhanced data visualizations in **Python** to further improve data interpretation and decision-making capabilities.

PROJECTS

MultiSport Web App | https://playaxis.netlify.app/   Completed September, 2025

- Engineered a comprehensive multi-sport web application using **HTML, CSS, JavaScript, and Python.**
- Managed projects with GitHub, deployed the application using Netlify, **Tailwind, node.js, React, and Alembic**
- Integrated various APIs for event tickets, sports schedules, and results to provide real-time information.

Personal Portfolio Website | **https://oliverperrin.netlify.app/**   Completed August, 2025

- Developed a personal portfolio website using **HTML, CSS, and JavaScript** to showcase projects and skills.
- Utilized Netlify for free hosting and GitHub for version control. https://github.com/OliverPerrin/Portfolio

Grammy.com Project   Completed June, 2025

- Conducted data analysis for two websites owned by **The Recording Academy** providing data-driven insights into audience engagement and evaluating business metrics and KPIs, using **Python**
- Communicated data-driven recommendations and performance insights using data visualizations