Aaliyah Hänni - Portfolio

Web Development | Data Visualization | Creative Coding

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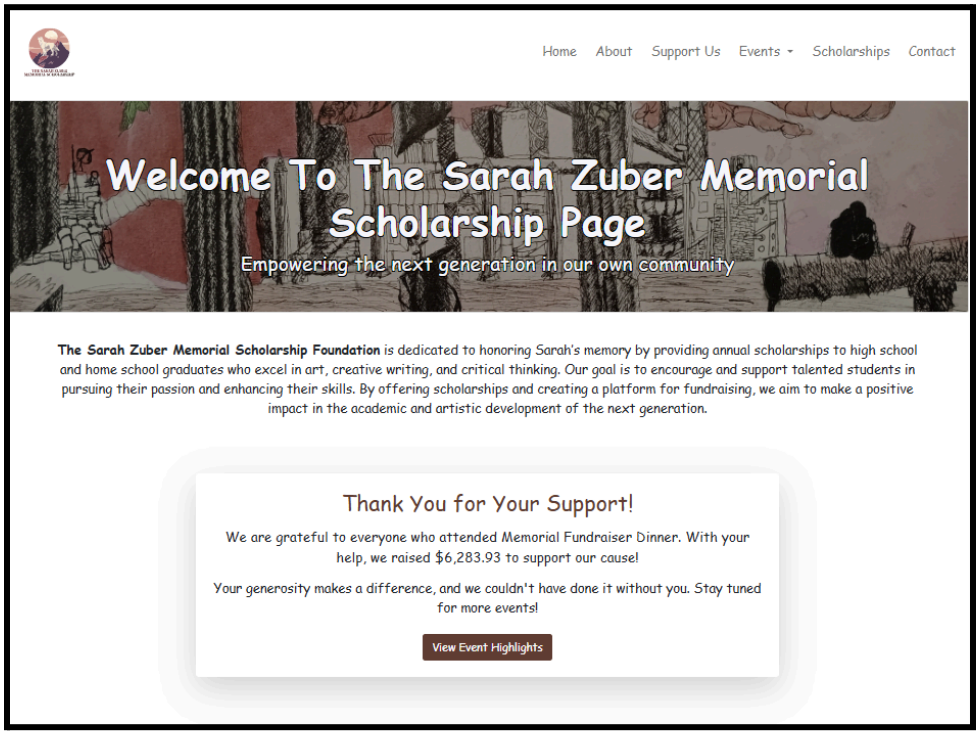
Web Development Projects

The Sarah Zuber Scholarship Foundation - *Live Client Project*

Website: http://sarahzubermemorial.org
Tools: HTML/CSS, JavaScript, Node.js, Nodemailer
Role: Designed and built the site structure, deployed full stack.
Impact: Boosted community awareness and donations through improved design and UX.

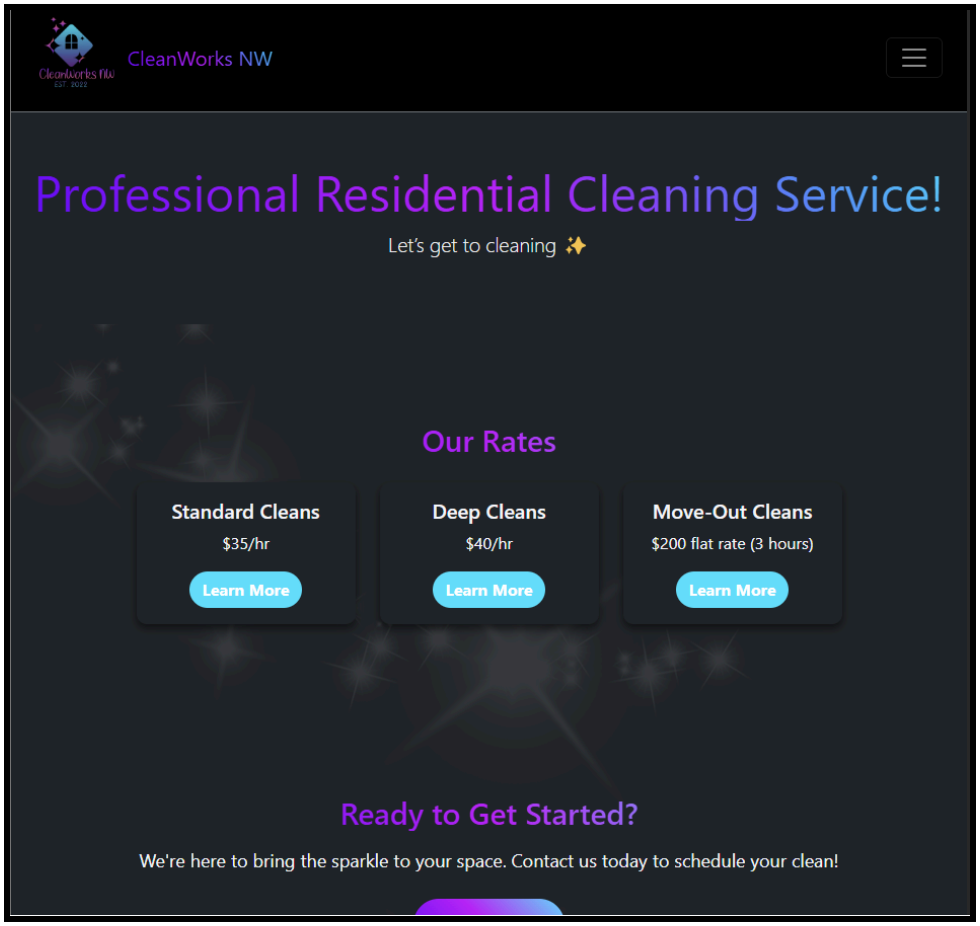


Cowlitz Youth Soccer Association - *Live Client Project*

Website: cowlitzyouthsoccer.org
Tools: Node.js, MongoDB, Express, HTML/CSS
Role*:* Designed layout and built custom backend features for soccer registration and updates.
Impact: Created a centralized hub for registration and league information, enhancing engagement.

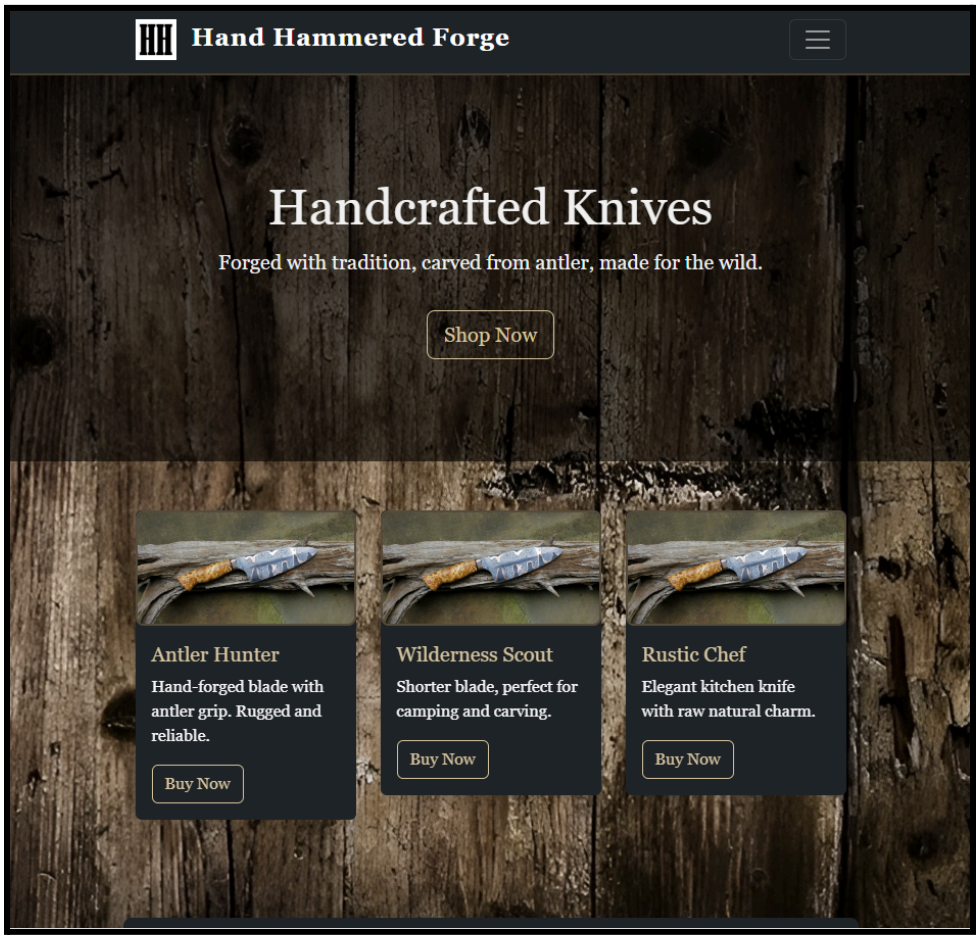
CleanWorksNW - *Live Client Project*

Website: https://cleanworksnw.onrender.com/
Tools: Render, Node.js, Facebook API
Role: Developed website for a local cleaning business, integrating advertising and booking functions.



Hand Hammered Knives - *Live Client Project*

Website: https://hh-forged.onrender.com/
Tools: Node.js, Render, Stripe
Role: Created a brand-focused product showcase site for custom handcrafted knives, handling payment transactions for purchases.



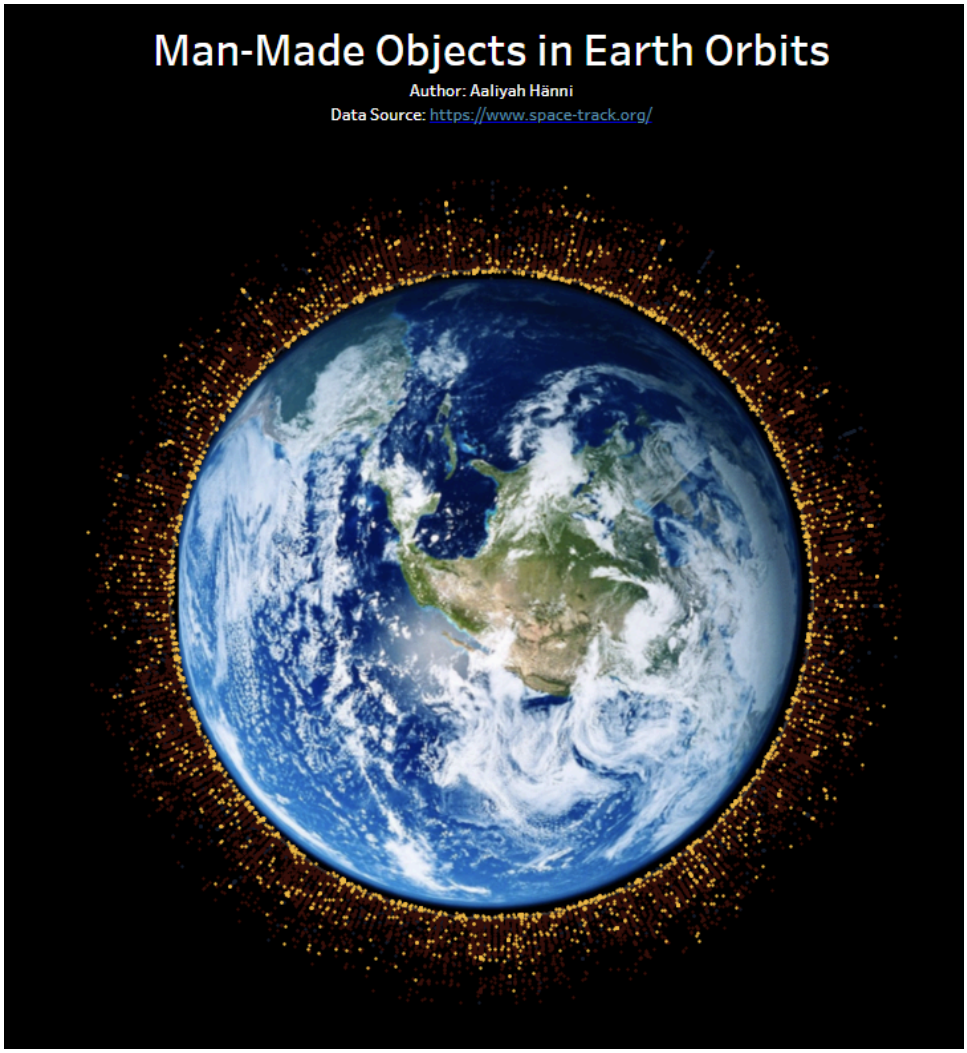
Kelso Youth Soccer Club

GitHub: https://github.com/aaliyahfiala42/Youth-Soccer-Camp-Website
Tools: Node.js, Express, MongoDB, SendGrid, Stripe
Role: Full-stack development for a youth soccer camp registration website with payment and email integration.

Dashboards & Data Visualizations

Man-Made Objects in Earth Orbit

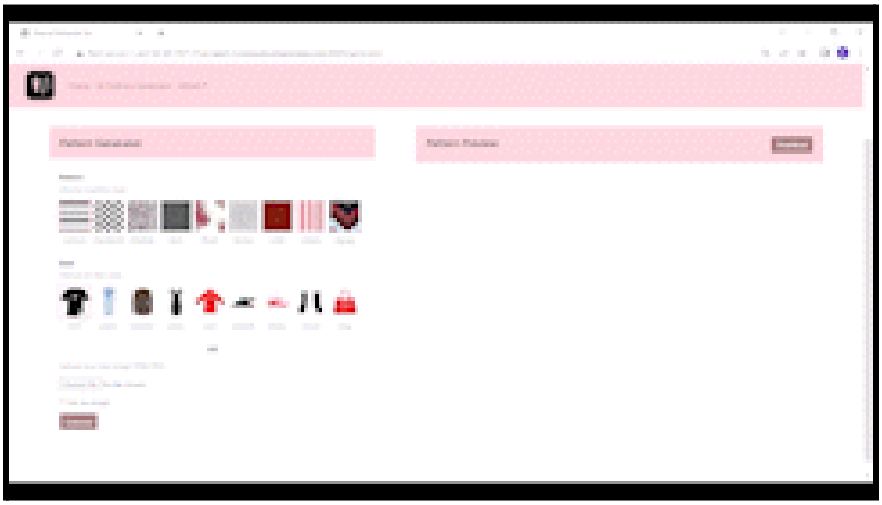
Tableau Public: https://public.tableau.com/Man-MadeObjectsinEarthOrbits
Tools Used: Tableau, Excel
Methods: Data wrangling, time series analysis, categorical filtering
Impact: Aimed to raise awareness about the growing space debris problem through intuitive, interactive visuals.

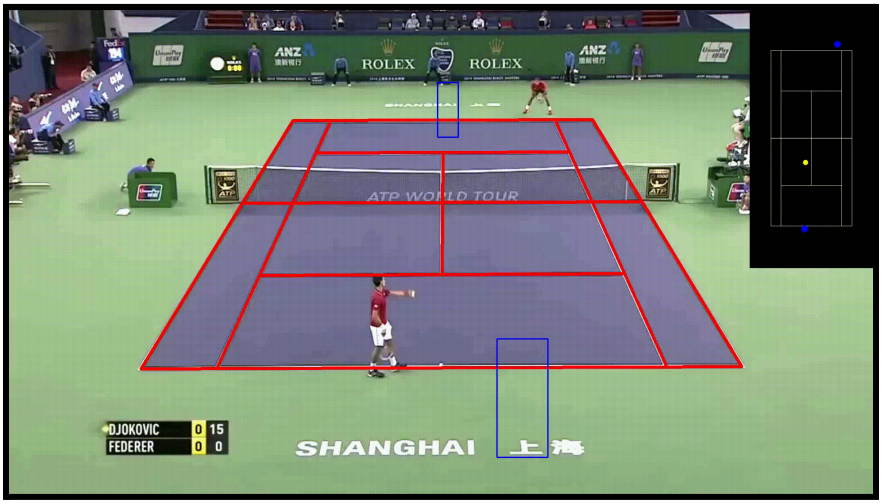


Creative Coding & ML Projects

AI Fashion: Neural Network Art

GitHub: https://github.com/liemluong/Neural_Network_Art
Tools: Python (PyTorch, NumPy, Matplotlib), Node.js
Methods: Feedforward neural networks, parameter tuning, iterative training
Impact: Demonstrated the artistic potential of deep learning in generative art



OneCourt: *Real-time Sports Data UI*

UW Dempsey Startup Competition Winner
GitHub: https://github.com/aaliyahfiala42/OneCourt
Tools: React, Python (ML), Arduino, CNN, TrackNet, YOLO
Role: Led machine learning model development and contributed to user interface design
Impact: Delivered an accessible sports experience for visually impaired users using haptic feedback.