

Jacob Swierz



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Seeking FTE or contract position as a data analyst or GIS developer with a passion for data science, GIS, geospatial analysis and web development! Check out my GIS maps on GitHub!

Skills

Soft skills

Communication • Organization • Creativity • Problem-solving • Polish (fluent)

Hard Skills

Java • Python • React • SQL • GIS • NoSQL • JavaScript • HTML/CSS • ArcGIS • Firebase • Bootstrap • R • Git • Pandas/NumPy • Node.js • Dplyr/Ggplot • XML • Tableau • PostgreSQL • jQuery • MS Office • MongoDB • Figma

Experience

E-Commerce Website for Cosmetic Business, NuVitta (in progress)



November 2022 – Present

- Full stack e-commerce site built using React 18, ES6, Node.js and jQuery.
- Implemented modern UI/UX and responsiveness for seamless user interaction.
- Implemented Stripe to handle secure customer checkout purchases.
- Implemented Stripe webhooks to get updates on events pertaining to customer and product information as well as payments.
- Added search and filtering for improved user interaction.

UW Medicine CERID | Seattle, WA

Student Lab Assistant



September 2018 – June 2019

- Performing PCR and caring for and weaning Lab Mice
- Overseeing and organizing lab workspace and sterilizing equipment

Education

University of Washington, Seattle Bachelors in Geography & Data Science



August 2022

GPA: 3.52/4.0 | Minor in Informatics

Interlake High School

IB Diploma



June 2018

GPA: 3.83/4.0 | AP Scholar

Coursework

- Computer Programming
- Data Structures and Algorithms
- Data Visualization
- Advanced Methods in Data Science
- Client-Side Web Development
- Database Systems
- Design Methods (UX/UI)
- GIS and Mapping
- GIS Database and Programming
- Urban GIS
- Advanced Quantitative Methods

Projects

Olympics Interactive Web Map

- User-interactive React web application that visualizes modern Winter and Summer Olympics data since 1896.
- Implements interactive filtering of data including but not limited to location, date, featured sports, top participating countries and top gold medalists.
- Implements ArcGIS hover tooltips to provide further data and information on a user's interests.