

Sean Smith

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Skills

Languages: Python, C++, C, C#

Relevant Coursework: Operating Systems, Data Structures & Algorithms, Object Oriented Programming

Data Analysis: pandas, Matplotlib, Power BI, Power Automate

Game Development: Version Control (Git & Diversion), C# based modding, UE5 Blueprints

Soft Skills: Cross-functional collaboration, Project leadership, Conflict resolution

Experience

Senior Analyst, Edwards Lifesciences – Irvine, CA

Aug 2025 – Present

- Developed user-friendly Python executables for 3 cross-functional teams to reduce repetitive CSV manipulation workload by 13%
- Utilized the pandas and matplotlib libraries to simplify data analysis and visualizations of 10 reports which were distributed to over 50 employees
- Implemented a Selenium-based web scraping program to analyze the topics and distribution of over 900 clinical trials

Analyst, Edwards Lifesciences – Irvine, CA

Oct 2023 – Aug 2025

- Developed Power BI Azure Map visualizations to decide geographic areas of need considering 1,000 site and employee locations by adapting Microsoft Dataflows
- Designed 10+ SharePoint sites for a variety of purposes, including the collection of Field Monitor and Clinical Specialist data that is shared cross-functionally with 100+ employees
- Shadowed the Data Science & AI team to learn best practices of programming in the clinical research workspace

Associate Specialist, Edwards Lifesciences – Irvine, CA

Oct 2022 – Oct 2023

- Audited over 200 case reports and reconciled them using custom made VBA macros within Excel
- Maintained multiple SharePoint sites to ensure compliance with organizational standards
- Communicated with Clinical Research Associates and Clinical Specialists to correct trial documents outside of GDP guidelines

Education

Georgia Institute of Technology – MS in Computer Science

In Progress

- Focusing on Computing Systems coursework including Operating Systems, Computer Networks, Machine Learning

Orange Coast College – Certificate of Computer Science (C++ Programming)

Aug 2025

- Earned a 4.0 GPA while completing Data Structures & Algorithms, Object Oriented Programming, Discrete Structures

University of Florida – BS in Microbiology & Cell Science

May 2021

- Round of 16 Finalist in The Big Idea Entrepreneurship Competition against 50+ competitors while developing a GIS-based mobile app model
- Minored in Medical Geography in Global Health with a focus on Geographic Information Systems (GIS)

Projects

Terraria Mods (C#)

- Using the tModloader API to develop items and content that seamlessly blends with vanilla Terraria progression
- Developing novel systems with a focus on Object Oriented Programming that introduce completely new playstyles

Personal Website (HTML5, CSS3)

seanparkersmith.github.io

- Developed a personal website from scratch using HTML5 and CSS3
- Responsive design allows for easy access and use across many platforms