

# Ben Swanson

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## Education

### University of Pennsylvania, School of Engineering and Applied Sciences

December 2024

Masters in Computer Information Technology (MCIT); 3.95 GPA

Relevant Coursework: Software Design, Artificial Intelligence, Computer Architecture, Systems Programming, Algorithms

### University of Pennsylvania, Wharton School of Business

May 2022

Bachelor of Science in Economics; 3.74 GPA

Relevant Coursework: Finance, Accounting, Managerial Economics, Business Statistics, Healthcare Strategy

## Professional Experience

### Accenture

New York, NY

Strategy Analyst

August 2022 – August 2023

- Managed team workflow for a three-month sprint to produce a renewable energy grant application worth \$100M
- Interviewed clients and led a survey-focused workstream for a \$150M cost cutting initiative with an automotive client
- Organized internal life sciences industry group, growing both group headcount and projects sold by over 10% YoY

### MTS Health Partners

New York, NY

Summer Analyst

June 2021 – August 2021

- Conducted financial analysis and built pitch deck that a dental health startup used to raise \$40M in growth equity capital
- Led workstream tracking C-Suite input on HR strategy in a \$100M merger of two virtual reality behavioral health companies
- Delivered a weekly newsletter to senior partners tracking relevant M&A and IPO developments

### Windrose Consulting Group

Philadelphia, PA

Summer Analyst

June 2020 – August 2020

- Conducted market sizing analysis and patient persona creation for an orphan drug product launch
- Assisted HR department with transitioning to virtual communications during the COVID-19 pandemic
- Drafted thought leadership pieces for partners to deliver to clients and publish on social media as marketing effort

## Projects

### Penn Resources ([link](#))

June 2023 – August 2023

- Created interactive web app with teammates for MCIT students to share supplemental resources for class material
- Managed development cycle of developing MVP, iterating over new features, and implementing user feedback
- Learned Firebase for backend and Node.js/React for frontend

### Bioinformatics Research

November 2023 – Present

- Took leadership of a bioinformatics project in a Duchene Muscular Dystrophy lab under PI Hansell Stedman
- Learned BioPython library APIs to interact with national genomic and proteomic databases
- Refactored existing code to be object-oriented, increasing scale from one gene to any gene in national database

### Network Systems Programming

November 2023

- Created a client-facing web server that could perform 3-way handshake with a client
- Implemented multi-threaded version and asynchronous event-driven version
- Learned network programming APIs including socket and select

## Extracurricular Leadership Experience – University of Pennsylvania

### Head Teaching Assistant – Introduction to Computer Systems

September 2023 – Present

- Led course of 200 students and 20 faculty members, making weekly posts to discussion forums and internal slack channels
- Worked with struggling students in 10 1-on-1 sessions, with 80% seeing improved grades and engagement afterwards
- Held interactive recitations with students to review content, discuss assignments, and review practice problems

### Consult Your Community (CYC) – Penn Chapter

September 2019 – June 2021

Co-Founder

- Provided pro bono consulting to many Philadelphia small, minority and women owned businesses
- Coordinated with national CYC headquarters to show progress and work towards official membership approval
- Grew club from 5 founding members to 30 members in a single semester, and 50 members after 1 year.

**Languages/Libraries:** Python, Java, C, NumPy, Pandas, Matplotlib, Scikit-Learn, NLTK