

Daniel Öman

dsoman24@gmail.com | (470) 553-5299 | Atlanta, GA
dsoman24.github.io | github.com/dsoman24 | www.linkedin.com/in/daniel-s-oman

Education

GEORGIA INSTITUTE OF TECHNOLOGY **2021 – 2025 (expected)**
B.S. Computer Science, concentrations in Intelligence and Theory | Minor in Economics | 4.0/4.0 GPA

ATLANTA INTERNATIONAL SCHOOL **2017 – 2021**
Valedictorian | 4.53/4.0 GPA | 45/45 points on International Baccalaureate exam, top 1% of global candidates awarded

Experience

GOOGLE **Starting May 2023**
Incoming Software Engineering STEP Intern

GEORGIA TECH COLLEGE OF COMPUTING Atlanta, GA
Undergraduate Teaching Assistant **August 2022 – Present**

- Collaborating with professor and other teaching assistants to teach Java object-oriented-programming concepts to 30 students during weekly recitations
- Grading exams and homework, writing homework assignments, and writing auto-graded unit tests in Java for 550 students
- Helping students with problem solving and code debugging during weekly office hour sessions

ERMI Atlanta, GA
Engineering Intern **July – August 2021**

- Analyzed data and created decision trees from health insurance claims data from 1,000+ knee surgery patients using R
- Identified highest cost patients to target for non-surgical intervention

Engineering Intern **July – August 2019**

- Analyzed data from a robot that diagnoses knee injuries
- Learned and used R to organize and plot datasets to assess and visualize the reliability and accuracy of the robot
- Analysis to be incorporated into research papers

GEORGIA TECH RESEARCH INSTITUTE Atlanta, GA
Engineering Intern **June – July 2020**

- Worked in a team of 4 to develop an app that creates a Bluetooth mesh network for emergency communication
- Implemented routing algorithms in Python and Java and ran simulations to investigate network properties and stability

Leadership and Involvement

GEORGIA TECH FINANCIAL SERVICES AND INNOVATION LAB Atlanta, GA
Vertically Integrated Project Research Assistant **Starting January 2023**

- Developing and applying natural language processing and machine learning models for financial markets under Dr. Sudheer Chava

CONSULT YOUR COMMUNITY Atlanta, GA
Business Analyst **August – December 2022**

- Collaborating with four Business Analysts on a pro-bono project for local sauce company in conducting market research to solidify the client's target audience and revamp web/social media strategy

Junior Business Analyst Team Lead **December 2021 – August 2022**

- Led a team of 7 Junior Business Analysts in finding long term sponsors for a fast-growing local nonprofit
- Designed marketing email templates and flyers and researched and emailed 28 potential sponsors
- Provided client with 3 fitting sponsors

Example Projects

Ruter-Sju Card Game Bot and Monte Carlo Simulation (Personal Project) **December 2021 – November 2022**

- Designed and implemented algorithms in Python to play card game Ruter-Sju to investigate best game strategy
- Built a Monte Carlo simulation with 20k+ games and used Pandas and PyPlot libraries to analyze and visualize game data

International Soccer Analytics (GA Tech CS 2316 Final Project) **January – April 2022**

- Analyzed what makes a professional soccer team successful across the top five European leagues
- Web-scraped and aggregated over 190k datapoints from websites and databases and created diverse visualizations in Python

Skills

Technologies: Python, Java, JavaFX, MySQL, R. Python libraries Pandas, NumPy, Matplotlib, Beautiful Soup

Languages: Fluent in Spanish, Swedish, English

Affiliations: Delta Chi Fraternity (Scholarship Chair), Society of Hispanic Professional Engineers, Consult Your Community