

Daniel Öman

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Education

GEORGIA INSTITUTE OF TECHNOLOGY B.S. Computer Science, concentrations in Intelligence and Theory Minor in Economics 4.0/4.0 GPA	2021 – 2025 (expected)
ATLANTA INTERNATIONAL SCHOOL Valedictorian 4.53/4.0 GPA 45/45 points on International Baccalaureate exam, top 1% of global candidates awarded	2017 – 2021

Experience

GOOGLE <i>Incoming Software Engineering STEP Intern</i>	Starting May 2023
GEORGIA TECH COLLEGE OF COMPUTING <i>Undergraduate Teaching Assistant</i> <ul style="list-style-type: none">Collaborating with professor and other teaching assistants to teach Java object-oriented-programming concepts to 30 students during weekly recitationsGrading exams and homework, writing homework assignments, and writing auto-graded unit tests in Java for 550 studentsHelping students with problem solving and code debugging during weekly office hour sessions	Atlanta, GA August 2022 – Present
ERMI <i>Engineering Intern</i> <ul style="list-style-type: none">Analyzed data and created decision trees from health insurance claims data from 1,000+ knee surgery patients using RIdentified highest cost patients to target for non-surgical intervention	Atlanta, GA July – August 2021
Engineering Intern <ul style="list-style-type: none">Analyzed data from a robot that diagnoses knee injuriesLearned and used R to organize and plot datasets to assess and visualize the reliability and accuracy of the robotAnalysis to be incorporated into research papers	July – August 2019
GEORGIA TECH RESEARCH INSTITUTE <i>Engineering Intern</i> <ul style="list-style-type: none">Worked in a team of 4 to develop an app that creates a Bluetooth mesh network for emergency communicationImplemented routing algorithms in Python and Java and ran simulations to investigate network properties and stability	Atlanta, GA June – July 2020

Leadership and Involvement

GEORGIA TECH FINANCIAL SERVICES AND INNOVATION LAB <i>Vertically Integrated Project Research Assistant</i> <ul style="list-style-type: none">Developing and applying natural language processing and machine learning models for financial markets under Dr. Sudheer Chava	Atlanta, GA Starting January 2023
CONSULT YOUR COMMUNITY <i>Business Analyst</i> <ul style="list-style-type: none">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	Atlanta, GA August – December 2022
Junior Business Analyst Team Lead <ul style="list-style-type: none">Led a team of 7 Junior Business Analysts in finding long term sponsors for a fast-growing local nonprofitDesigned marketing email templates and flyers and researched and emailed 28 potential sponsorsProvided client with 3 fitting sponsors	December 2021 – August 2022

Example Projects

Ruter-Sju Card Game Bot and Monte Carlo Simulation (Personal Project) <ul style="list-style-type: none">Designed and implemented algorithms in Python to play card game Ruter-Sju to investigate best game strategyBuilt a Monte Carlo simulation with 20k+ games and used Pandas and PyPlot libraries to analyze and visualize game data	December 2021 – November 2022
International Soccer Analytics (GA Tech CS 2316 Final Project) <ul style="list-style-type: none">Analyzed what makes a professional soccer team successful across the top five European leaguesWeb-scraped and aggregated over 190k datapoints from websites and databases and created diverse visualizations in Python	January – April 2022

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