**Daniel Öman**

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**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**

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

**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**

**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 and Interests**

**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