

Ansgar Frederik Jordan

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EDUCATION

Tufts University

Boston, MA

Bachelor of Science in Data Science, Engineering Management Minor

May 2022

GPA: 3.33

Relevant Coursework

Data Structures, Algorithms, Machine Structure & Assembly-Language Programming, Web Programming, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Engineering Management, Technical and Managerial Communications

RELEVANT EXPERIENCE

BMW Group

Munich, Germany

Full-Stack Development Intern

Fall 2020

- Developed a company-internal software product for multi-project planning of vehicle projects
- Built interactive, scenario-based data visualizations using the Highcharts library
- Utilized Java (backend) for database interaction and TypeScript (frontend) to configure charts

Projects

- Arith - Image Compressor and Decompressor (C Program) Spring 2020
 - Built a lossy image compressor that reduces a .pnm image to $\frac{1}{3}$ its original size
 - Quantized RGB pixel values into average brightness values
 - Created a bit packing interface to pack pixel information into 32-bit words
- Tufts Sustainable Development Project Fall 2019
 - Planned project to install an ID-card based lighting system in Tufts dormitories
 - Devised Statement of Work/ WBS, Gantt Chart, Cost Profile/Budget, Risk Matrix

LEADERSHIP EXPERIENCE

Coronado Yacht Club

San Diego, CA

Junior Sailing Instructor

June-August 2017-2019

- Taught beginner, intermediate, and advanced sailing courses for children ages 8-18
- Demonstrated proper safety techniques in the handling of sailboats and first aid
- Promoted to Youth Race Team Coach, prepared team for national championship

Top Soccer

San Diego, CA

Community Service Volunteer

August 2016-2018

- Conducted weekly soccer practices for children (ages 8-18) with mental disabilities
- Motivated and guided athletes through a variety of soccer drills and fun exercises

ADDITIONAL INFORMATION

Language Skills: German (fluent)

Technical Skills: Proficiency in C/C++, Java, Javascript/Typescript, Microsoft Excel, Node.js, MongoDB, Intel x86 Assembly, intermediate experience in Python and MySQL

Athletics: Tufts University Varsity Sailing Team

- Commit 30 + hours weekly for daily practices (1:30-6 PM), morning workout sessions
- In-season fall and spring, compete against other college teams on weekends (9 AM - 5 PM)