Alex Kammann

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Education

Virginia Tech, Blacksburg, VA   **2021-2025 (expected)**
B.S in Computer Science, Cybersecurity Minor
Current GPA: 3.96/4.00
Relevant coursework: Cloud Software Development (JSF), Data Structures and Algorithms (Java)
Intro to Computer Organizations (C), Intro to Problem Solving in Computer Science (Python)

Work Experience

QR Genetics, Tel Aviv-Yafo, Israel
Data Science Intern   **May 2023 - August 2023**
- Designed and built a company website to efficiently recommend drugs to treat rare genetic diseases
- Stored large amounts of medical data in Microsoft Azure
- Used Python's NetworkX library to build a network of connections between drugs and their targeted genes
- Built a responsive front-end design using HTML, JavaScript and CSS (video in link below)

Projects (https://alexkamm123.github.io/)

Cloud Software Applications   **March 2023**
- Used Java Server Faces and mysql to create multiple complex cloud applications
- Applications utilize API's, have user account functionality, and password encryption

External Sorting Algorithm   **March 2023**
- Class project using Java to sort a large input file of binary data based on a designated key value
- Implements heaps and buffers to do a replacement selection sort into an 8 way multiway merge sort

Stock Analyzer   **October 2022**
- Scrapes company data from balance sheet using Python's Beautiful Soup library
- Calculates 5 common stock valuation ratios and graphs results using Matplotlib

Extracurricular Experience

Hokie Electric Vehicle Team (HEVT), Blacksburg, VA
Team Member   **August 2022 – Present**
- Developing lane centering algorithm for electric vehicle
- Participating in 4 year long EcoCAR ev challenge through Virginia Tech with a consumer focus

Virginia Tech AI/ML Club, Blacksburg, VA
Club Member   **August 2022 - Present**
- Gaining hands-on experience with AI and ML tools including TensorFlow and scikit-learn
- Collaborating with club members to explore reinforcement learning algorithms in Amazon's DeepRacer competition

Skills

- Hard skills: Java (advanced), Python (intermediate), C (intermediate), Microsoft Office Suite, Google Suite, Git, JSF, Saleseforce, XML, CSS
- Soft skills: Communication, Teamwork, Attention to detail, Work ethic, Accepting feedback
- Languages: English (native), Spanish (advanced), Hebrew (beginner)
- Hobbies: Tennis, Chess, Pickleball, Disc Golf