Alan Hagedorn

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EDUCATION

University of Minnesota — Twin-Cities, MN
Bachelor of Science in Computer Science, 4.0 GPA — *Graduation expected in 2024*
Concordia University — St. Paul, MN
Dual Enrollment, 4.0 GPA — *Sept. 2019 – May 2020*

TECHNICAL SKILLS

Technical Skills: Python, Java, [C/C++, Android Studio]
Web & Design: HTML5, CSS3, Bootstrap4, Django, PostgreSQL, SQLite
Developer Tools: Git, VS Code, IntelliJ

PROJECTS

Grade Analysis and Prediction Webapp | *Python, Django, React, PostgreSQL* — April 2021 – Present
- Developed a web application for professors to upload, analyze, and visualize course data
- Implemented statistical models to predict grade trends and suggest grading curves
- Acquired database skills by writing and refactoring tables, improving performance
- Was exposed to Django, Pandas, SQL, CRUD applications, and Bootstrap4

EXPERIENCE

Undergraduate Teaching Assistant — September 2021 – December 2021
Texas A&M University — *College Station, TX*
- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting