

DANIEL PEELEN

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EDUCATION

University of Pittsburgh, School of Computing & Information

B.S., Computer Science, Hungarian

- **Achievements:** Dean's List, 4.0 GPA
- **Coursework:** Data Structures & Algorithms, Discrete Structures, Systems Software, Mathematical Foundations of Machine Learning, Introduction to Deep Learning

WORK EXPERIENCE

University of Pittsburgh School of Computing and Information

Aug 2024 - Dec 2024

Teaching Assistant for Discrete Mathematics

Pittsburgh, PA

- Led recitations and office hours to assist students with Discrete Mathematics topics, including formal proofs, modular arithmetic, and set theory.
- Engaged in problem-solving techniques that supported clear algorithmic thinking essential for software and system analysis.

Long Island Quiz Bowl Alliance

Oct 2023 - Dec 2024

Head Editor

Long Island, NY

- Wrote and edited academic questions for multiple counties across the country as well as national competitions.
- Supervised a team of three editors and over 50 writers to produce more than 3,000 questions across 15 sets.
- Utilized precise Google and Excel Spreadsheets integrated with independent Python scripts to streamline data processing

University of Pittsburgh Women's Volleyball Team

Sep 2023 - Dec 2024

Data Analyst & Team Manager

Pittsburgh, PA

- Utilized VolleyMetrics software to code play-to-play accounts of games and analyze other teams' code to create scoutbooks for the coaching staff.
- Built scouting reports and ensured practices and games were as efficient as possible.

PROJECTS

University of Pittsburgh

Present

Flashcard Autogenerator

- Streamlined study preparation, reducing flashcard creation time by automating extraction from PDF or PPTX files and formatting content for Anki decks.
- Utilized several Python libraries and Google's Gemini API for natural language processing to extract and process text.
- Plans to incorporate Flask and SQLite to build into a functional website.

University of Pittsburgh

Mar 2024

March Madness Bracket Predictor

- Used Python's Pandas and scikit-learn modules to organize and test data into a one-versus-rest (OvR) classification model to predict 2024's March Madness results.
- Applied several data science concepts to edit and analyze data, then using machine learning techniques to make educated predictions.

Cedar Crest High School

Feb 2023

2023 Pennsylvania Student Council Region F Conference Website

- Used JSON and an S3 Bucket through Amazon Web Services (AWS) to host a dynamic website.
- Collaborated with the heads of the conference to build an effective website from scratch using HTML, CSS, and PHP.

SKILLS

- **Programming Languages:** Java, Python, C/C++, HTML5, CSS, PHP, JavaScript, SQL
- **Libraries/Frameworks:** TensorFlow, SQLite3, BeautifulSoup, Pandas, sklearn, pygame, Bootstrap, Google Apps Script
- **Technical Skills:** Debugging, Linux, Machine Learning, Databases, Web Application Development, AWS

EXTRACURRICULARS/AWARDS

Officer, Computer Science Club @ Pitt

- Help organize speakers from Microsoft and Amazon for the largest organization on campus.
- Organized University of Pittsburgh's **SteelHacks** hackathon, with 250+ attendants and sponsors such as Google, PNC, and Eaton.

Officer, Quiz Bowl

- Competed against various colleges in quiz bowl tournaments and organized several tournaments for local high school teams.

Hungarian Room Scholarship

- Awarded \$6,000 to fund traveling abroad in Debrecen, Hungary to study the History of Modern Hungary.