

Lauren Engel

laurengel78@gmail.com | linkedin.com/in/lauren-engel-3311b32b2 | github.com/laurengel78 | laurengel78.github.io

EDUCATION

Kutztown University of Pennsylvania

Bachelor of Science in Computer Science

GPA: 3.86

Kutztown, PA

Aug. 2021 – May 2025

Relevant Coursework: Advanced Scientific Programming, Data Structures, Intro to Mobile Architecture and Systems, Object-Oriented Multimedia Programming, Operating Systems, Network and Secure Programming, Programming Languages, Software Engineering, SQL Programming, Unix Scripting and Administration

TECHNICAL SKILLS

Languages: C, C++, CSS, HTML, Java, JavaScript, OCaml, Python, SQL

Frameworks/Libraries: Flask, Matplotlib, NumPy, OpenAI API, pandas, ReactJS, React Native

Developer Tools: Expo, Git, GitHub, Linux, Visual Studio Code

PROJECTS

Cook AI | Python, Flask, OpenAI API, AWS, HTML/CSS

February 2024 – Present

Currently working with four other students to develop a website that uses OpenAI's API to generate recipes based on ingredients a user has in their kitchen, incorporating the Agile Software Development lifecycle.

- Using AWS to develop a fridge database to store the user's ingredients, as well as preferences such as dietary restrictions, experience level, and serving size.
- Utilizing Flask to host the OpenAI API, allowing users to generate a recipe using their ingredients and preferences and create a formatted recipe output.
- Creating and refining AI prompts to ensure the generation of recipes based on only the ingredients in the user's virtual fridge.
- Status: To be completed in December 2024. A prototype is currently available on Github.

Jumper | Java

September 2018 – October 2018

As a high school sophomore, worked with two other students to develop a Java platformer game similar to Doodle Jump.

- Won the 2018 Congressional App Challenge for our congressional district.
- Displayed in the U.S. Capitol Building & on the House of Representatives' website for 12 months.

HONORS

Kutztown University Dean's List

2021-Present

Kutztown University EMACS Scholar

2021-Present

Kutztown University Presidential Scholar

2021-Present