Kensho Pilkey

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TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, GDScript, C#
Frontend Tools: React, Vue, Angular, Tailwind, BootStrap, Threejs, HTML, CSS, Jest
Backend Tools: Node, Express, REST APIs, Flask, FastAPI, Relational Databases, SQLAlchemy, Postman, Axios
Other: Streamlit, Git, Junit Testing, Pytorch, Numpy, MatplotLib, Figma, Docker, OOP, Game Development, .NET

WORK EXPERIENCE

Full-Stack Developer Contract | Sharry Tech | Remote   Oct 2024 - Present
- Improved the UI and functionality of the App Builder project that I worked on as an intern.
- Developed a Python backend, using PostgreSQL, FastAPI, and SQLAlchemy, that allows clients to send their design directly to the delivery team.
- Reduced client-delivery team communication time from **weeks** to **minutes**.

Frontend Developer Intern | Sharry Tech | Prague, CZ   Jun - Aug 2024
- Developed a web application using Vue.js and Bootstrap CSS that allows clients to design and preview their own white-label mobile apps in real time.
- Prototyped the applications design using Figma and used A/B testing to garner feedback on design choices.
- Collaborated closely with designers, product managers, and developers to refine and enhance the UI.

Backend Developer Intern | Maxam Hotels | Remote   Jan - Jun 2024
- Developed the backend for a chatbot using FastAPI and GPT-4o API, designed to answer customer queries with real-time, context-aware responses.
- Integrated a PostgreSQL database using SQLAlchemy to store over 1,000 Q&A entries.
- Deployed the application on Heroku, achieving 95% query accuracy for **100+ customer questions** monthly.

Web Development Trainee | Global Tech Experience Bootcamp | Chapel Hill, NC   Jun - Aug 2023
- Used HTML, Bootstrap CSS, and JavaScript to develop dynamic websites, web games, other interactive, fully functioning web experiences.
- Collaborated with a global team of 6 to debug and improve 12 existing websites and webapps over a 12 week period.
- Received HTML & CSS Specialist and JavaScript Specialist certifications.

EDUCATION

The University of North Carolina at Chapel Hill   Chapel Hill, NC
Computer Science, B.S. | Entrepreneurship Minor   Aug 2021 - May 2025
Relevant Courses: Computer Organization, Data Structures, Foundations of Programming, Probability, Multivariable Calculus, Discrete Mathematics, Algorithms, Databases, Machine Learning, Deep Learning, Foundations of SWE.
Spoken Languages: English (Fluent), Japanese (Working Proficiency)

PROJECTS

Analysis on Airborne Disease Trends & Travel | 2024 Carolina Data Challenge   Oct 2024
- Placed **1st** for the Health Science Track
- Analyzed mortality trends for pneumonia, influenza, and COVID-19 across U.S. states using K-Means Time Clustering with Tslearn to analyze regional respiratory illness impacts over time.
- Visualized correlations between mortality trends and flight cancellations on a Streamlit web application, leveraging Python, Pandas, NumPy, Matplotlib, Seaborn, and Statsmodels for data analysis and visualization.

Other Activities/Interests: Black belt (Karate), violin (9 years), Rock Collecting