LUKE TONG

RELEVANT EXPERIENCE

Developer at Penn Labs   (Spring 2024 – Present)
- Create and maintain web/mobile products used by 100k unique Penn undergrads and postgrads (Penn Course Review, Penn Clubs, Penn Mobile)
- Integrate Penn Course Alert into Penn Course Plan for a more intuitive course selection experience
- Add comments to Penn Course Review

Project Lead at Penn Spark   (Fall 2023 – Present)
- Create semesterly passion and client projects related to tech and design in teams
- Present projects at end-of-semester showcase
- Lead a team of 9 designers and developers to create an events bulletin for performing arts and cultural groups at penn

Infy Tech Pioneer (Infosys Foundation USA)
- Selected to be a part of Infosys' Infy Tech Pioneer Program during winter break
- Immersion in GenAI, Prompt Engineering, and AI/ML in Python
- Creating a PDF summarizer using Jupyter Notebook and OpenAI in Python

PROJECTS

Sparkify (Penn Spark)   SRC   DEMO
- A web app that generates a collage of album covers based on a user's music taste
- Built with PyTorch, SvelteJS, and AWS Lambda
- Created as a Spark Red project in a group of 3 developers and 3 designers
- Voted best Spark project for Fall 2023

Newspaper website (The Tower)   SRC   DEMO
- Wrote a new, free website for Princeton High School's newspaper club (The Tower) to replace old 3rd party hosting service
- Used Next.js for the frontend and postgreSQL for the backend

Platform API (The Daily Pennsylvanian)   SRC
- Created a unified platform API to replace the old 3rd party CMS
- Used by thedp.com, 34st.com, underthebutton.com, and the DP+ mobile app
- RESTful API

CURRENT POSITION

Teaching Assistant for CIS 1600: Mathematical Foundations of Computer Science

EDUCATION

CS @ University of Pennsylvania

- STAT 4300: Probability
- MATH 1410: Multivariable Calculus
- NETS 2120: Scalable and Cloud Computing
- CIS 1210: Data Structures and Algorithms (In Progress)

SKILLS & TECHNOLOGIES

UI/UX	Python
AWS CDK	C and C++
SQL	Java
GenAI	Golang
Git	Rust
React + Next.js	JS/TS
Svelte	HTML/CSS
LaTeX	Docker

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