

# LUKE TONG

## RELEVANT EXPERIENCE

### Developer at Penn Labs (Spring 2024 – Present)

- Create and maintain web/mobile products used by 100k unique Penn students (Penn Course Review, Penn Clubs, Penn Mobile)
- Integrate Penn Course Alert into Penn Course Plan for a more intuitive course selection experience

### 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

### Developer for The Daily Pennsylvanian (Fall 2023)

- Full stack developer for The Daily Pennsylvanian and affiliated newspapers
- Data management, reader analytics, and web/mobile app development

### 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 postgresSQL 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



## EDUCATION

Freshmen at University of Pennsylvania,  
Computer and Information Science  
Major

- CIS 1200: Programming Languages and Techniques
- CIS 1600: Mathematical Foundations of Computer Science (IN PROGRESS)
- NETS 2120: Scalable and Cloud Computing (IN PROGRESS)

## SKILLS & TECHNOLOGIES

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

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