

# Matthew Wang

Frontend-focused SWE

+1-443-643-8588  
[/matthew-h-wang](https://github.com/matthew-h-wang)  
[/atcs-wang](https://github.com/atcs-wang)

wang.matthew.h@gmail.com  
[/wang-matthew-h](https://www.linkedin.com/in/wang-matthew-h)  
[matthew-h-wang.github.io](https://github.com/matthew-h-wang.github.io)

## </> Relevant Experience

### Scope3

Software Engineer → Senior Software Engineer

Oct 2023 – Dec 2025

Remote

- › Delivered major frontend features across multiple product areas, improving component performance and code reliability while modernizing core UI patterns in **Next/React/TypeScript**.
- › Improved UI quality and development efficiency by contributing to the custom design system, creating reusable component patterns, and establishing Storybook-based documentation integrated with Figma.
- › Collaborated with backend engineers to refine GraphQL schemas, debug upstream data issues, and validate reporting accuracy via **PostgreSQL/ClickHouse** analysis.
- › Took the lead on complex projects by shaping requirements from ambiguous product inputs, drafting technical plans, coordinating backend API design, and aligning closely with Product, Design, QA, and Solutions.
- › Strengthened team cohesion by improving onboarding, running team-building activities, and creating a hackathon project that sparked cross-team connection.

### Bergen County Academies

CS Teacher for the Academy of Technology and Computer Science

Sep 2018 – Jun 2023

Hackensack, NJ

- › Revamped *Web App Dev* curriculum, updating tech stack from using PHP to **NodeJS** with cloud deployment [AWS, Heroku, Railway] ([/inventory-webapp-tutorial-series](https://github.com/matthew-h-wang/inventory-webapp-tutorial-series))
- › Led restructuring of *Capstone* project course to teach **Agile**-style app development; managed dozens of projects with varying tech stacks [React, Django, Flask, mongoDB, Firebase, etc.]
- › Designed bespoke lesson and assignment suites for *Machine Learning* and advanced *AI* algorithm electives, including **Python** notebooks [pandas, scikit-learn] with custom datasets and interactive visualizers for [search](#) & [game tree](#)
- › Contributed to multiple other cross-teacher courses, such as AP CS A [**Java**], **C Programming**, and **SQL** [**MySQL**] by developing curricula, lessons, coding exercises, test cases, auto-graders, and cloud-hosted course management infrastructure

### TripAdvisor

Data Science Intern

Jun – Aug 2016

Newton, MA

- › Developed new models for customer value estimation based on SEM data [**Python**, **R**, **HQL**]

## Projects

### SongSets

[/matthew-h-wang/songsets](https://github.com/matthew-h-wang/songsets) [songsets.up.railway.app](https://songsets.up.railway.app)

- › Web app [**NodeJS**, **MySQL**] for band members to collaboratively build setlists & analyze song usage
- › Personal project, inspired by my wife and I's need to plan & track church music across weekly services

## Education

### Princeton University

Bachelor of Science and Engineering in Computer Science - 3.7 GPA, Magna Cum Laude  
Certification in Teacher Preparation in Mathematics

Princeton, NJ

May 2016

May 2017

**Coursework includes:** A.I., M.L., Information Security, Theory of Algorithms, Functional Programming, Computer Architecture, Graph Theory, Combinatorial Math, Probability & Stochastic Systems, Linear Algebra