

Eric Liang

Full-stack Web Developer

EXPERIENCE

Hypergiant Industries, Houston, TX — *Software Engineer*

JUN 2023 - PRESENT

- Wrote peer-reviewed code with unit tests to support a large-scale application visualizing hundreds of thousands of live data points
- Designed custom shaders and visualization layers to expand existing features and add functionality for new ones
- Assisted with regular tooling updates and performance optimizations to maintain a state-of-the-art code ecosystem

ROSE, New York, NY — *Software Engineer, AR Lead*

AUG 2019 - MAR 2023

- Generated internal content and documentation to support engineering, onboarding, KT sessions, resource repositories, and new business operations for ROSE's augmented reality initiatives
- Developed staff plans, work estimates, engineering tickets, and technical architecture for new projects. Trained ROSE software engineers in leading augmented reality frameworks and platforms
- Worked as the technical consult and primary engineer on augmented reality experiences, progressive web apps, and custom campaigns for clients including Airbnb, JP Morgan Chase, Lockheed Martin, Sports New York, New York Lottery, Mastercard, Moët Hennessy, Kenneth Cole, and more

PROJECTS

Treeline NYC — *A dynamic tree map of NYC*

MAY 2023 - PRESENT

- Built with deck.gl, Treeline is an interactive, dynamic map of the 900,000+ public trees in New York City, offering data such as health and status, diameter, and species information.
- Uses Redis to manage different classes and volumes of map marker data at various zoom levels.

Arbor — *A word etymology tool*

APR 2023

- Arbor allows users to input words from any language and trace its ancestors and cousins to their first recorded origins.
- Uses a recursive algorithm to identify word relatives, D3.js to visualize the etymology trees, and Google Cloud Platform for backend and application layers.

- Located in New York, NY
- eliang8@proton.me
- <https://www.linkedin.com/in/eliang58/>
- <https://ericliang.dev>

SKILLS

- Web and mobile app design and development
- Data visualization
- 3D web experiences
- API development
- Database management and schema design

LANGUAGES, LIBRARIES, TOOLS

- JavaScript, TypeScript
- SQL
- Python
- Ruby on Rails
- React, Next.js, Gatsby
- GraphQL
- Tailwind, Sass, CSS
- Three.js
- deck.gl
- D3.js
- Express.js
- Amazon Web Services
- Google Cloud Platform
- Agile, Jira

EDUCATION

App Academy — *Certification, Fullstack Web Development*

SPRING 2019

State University of New York at Binghamton — *Bachelor of Arts, Linguistics*

SEP 2012 - DEC 2015

ABOUT

I'm Eric, a full-stack web developer with expertise in web apps, data visualization, and AR/VR.

I'm drawn to creative and mission-driven ideas rooted in data analysis and user-first design.

I'm interested in how we can make the web immersive, democratized, and accessible to everyone.