

# Henry Liu

929-393-3298 | [codicate@gmail.com](mailto:codicate@gmail.com) | [linkedin.com/in/codicate](https://www.linkedin.com/in/codicate) | [github.com/codicate](https://github.com/codicate)

## Education

### University of Rochester

Aug. 2022 – Dec. 2025

*Bachelor of Science in Computer Science, Minor in Economics and Japanese*

*Rochester, NY*

**Involvements:** RocLab Developer, DS&A Teaching Assistant & Workshop Instructor, SASE Career Mentor

**Courses:** Computer Organization, Data Mining, Theory of Computation, Artificial Intelligence, DS&A, OOP

## Experience

### NBCUniversal

June 2023 – Aug. 2023

*Software Engineer Intern*

*New York City, NY*

- Spearheaded the development of a full-stack developer tool from requirement gathering to deployment
- Integrated in-house PM software with GitLab API, leading to a 2x speed increase in story to PR workflow
- Created an innovative timeline view highly demanded by PMs to easily visualize sprint progress and developer capacity
- Initiated a department-wide research on developer workflow enhancement and presented various solutions and implementations to senior managers

### JPMorgan Chase & Co.

June 2022 – Aug. 2022

*Software Engineer Intern*

*Jersey City, NJ*

- Implemented a recommendation feature for company's regulatory compliance library used by 1,200 corporate lawyers, leading to a 20% speed increase for the obligation to citation matching process
- Leveraged Elasticsearch to perform various queries on a database with 15 million indexed citations
- Designed POC architecture diagram and demoed final product to multiple stakeholders
- Interviewed department leaders and participated in a firm-wide machine learning integration initiative

### Snapbrillia

July 2021 – Sept. 2021

*Software Engineer Intern*

*San Francisco, CA*

- Spearheaded the development of a take-home coding assessment system similar to HackerRank
- Revamped site deployment with a superior strategy following a critical production failure on alpha launch day
- Led an initiative to refactor codebase, standardize dependencies, and automate repetitive tasks through scripting
- Worked directly with product owner and took ownership of core features and critical bugs
- Onboarded new members and guided new interns during a 2-week pair coding program

## Projects

### Angular\_INITIALIZER | *Angular, TypeScript, Fastify, Node.js*

2023

- Pioneered a full-stack developer tool for developers to generate and customize Angular projects online
- Supports integration with company common libraries and services such as SSO authentication
- Integrated with NPM API to allow developers to search and install the latest packages

### Nearvents | *Angular, TypeScript, Ionic, Firebase*

2022

- Led the development of a cross-platform location-based social and event management app
- Leveraged Firebase to implement user authentication and privileges for event participants and organizers
- Winner of DandyHacks 2022 among 28 project submissions

### Recyclopedia | *React, Redux, Next.js, Strapi, TypeScript*

2021

- Led the development of a community blogging website for an environmental non-profit organization
- Utilized Next.js and Strapi to overhaul the website using static site generation to reduce load time by 65%
- Supervised development and facilitated collaboration of a team of 4 developers

## Skills

**Languages:** TypeScript, JavaScript, Python, Java, C, C++, R, x86, HTML, CSS

**Technologies:** React, React Native, Angular, Express.js, Spring Boot, Firebase, MongoDB, Git, Godot Engine

**Interests:** UI/UX, Mobile/Web Development, Developer Workflow, Game Development, Artificial Intelligence