

Henry Liu

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Education

University of Rochester

Bachelor of Science in Computer Science, Minor in Economics

Aug 2022 – May 2025

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

Software Engineer Intern

Jun 2023 – Aug 2023

New York City, NY

- Piloted 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 requested by PMs to easily visualize sprint progress and developer capacity
- Conducted department-wide research on developer workflow enhancement and presented various solutions and implementations to senior managers

JPMorgan Chase & Co.

Software Engineer Intern

Jun 2022 – Aug 2022

Jersey City, NJ

- Implemented a recommendation feature for company's regulatory compliance library used by 1,200 corporate lawyers
- 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

Software Engineer Intern

Jul 2021 – Sep 2021

San Francisco, CA

- Took ownership over the development of a HR take-home coding assessment system similar to HackerRank
- Revamped site deployment with a more optimal strategy following a critical production failure on alpha launch day
- Led an initiative to refactor codebase, standardize dependencies, and automate repetitive tasks through scripting
- Onboarded new members and guided new interns during a 2-week pair coding program

Projects

Angular Initializer | *Angular, TypeScript, Fastify, Node.js*

- Pioneered an Angular 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*

- Led the development of a cross-platform location-based social and event management app
- Harnessed 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*

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

Skills

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

Technologies: React, Angular, Express.js, Firebase, MongoDB, React Native, Ionic, Git, Godot Engine

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