Henry Xiaofeng Li

Elmhurst, NY | xiaofengli2016@gmail.com | (646) 881-8351
www.linkedin.com/in/henryli12 | www.github.com/henryli12
Website: https://henryli12.github.io

Education

Stony Brook University, Stony Brook, NY *August 2017 – May 2021*

- **Majors:** Computer Science, Applied Mathematics and Statistics
- **GPA:** 3.63 / 4.00
- **Achievements:** Dean's List, University Scholars
- **Relevant Courses:** Data Structure, Programming Abstractions, Scripting Languages, Analysis of Algorithms, Software Engineering, Software Development

Skills

- **Languages:** Python, Caché/MUMPS, JavaScript, TypeScript, HTML/CSS, C#, Java, C, SQL
- **Frameworks:** React.js, Django
- **Databases:** MongoDB, MySQL

Experience

Epic Systems, Verona, WI *(Software Developer)* *July 2021 – Present*

- Assigned to the Clinical Decision Support team, maintained various decision support tools used by physicians/nurses, and added multiple enhancement features.
- Designed and implemented a performance improvement using a caching strategy, making several workflows at least 100% faster, affecting thousands of users daily.
- Built various internal settings that allow other back-end user to build more versatile decision support tools, impacting tens of thousands of end-users daily.
- Designed a new methodology to determine how efficient a decision support tool is built, and displaying all the statistics on a dashboard to help the back-end user to improve their build.
- Languages used: Caché/MUMPS, C#, JavaScript, TypeScript, HTML/CSS

KidOYO, Long Island, NY *(Mentor)* *September 2018 – September 2019*

- Mentored young computer science learners to turn their creative ideas into a computer program
- Provided feedback to students to help them understand their mistakes
- Languages used: Java, Python, JavaScript, HTML/CSS, Scratch

Programming Projects

Birp Converter *(C)* *March 2021*

- A tool that converts image data between the PGM format and a non-standard Birp format that represents the pixel raster using a variant of a data structure called binary decision diagrams
- Included multiple image transformation options for the Birp format

NBA Positions Analysis *(Python)* *January 2021*

- Analyzed how each position differs in their play style and how the characteristics of a player impact the position he plays
- Scraped data with BeautifulSoup and Selenium from multiple sources
- Used Plotly to help visualize the data in different types of plot

Money Manager *(Python)* *December 2020*

- Built a web application using Django that allows users to keep track of their income and expenses
- Utilized FullCalendar.js to display the transactions on a calendar
- Included a monthly spending summary for each month

Redistrictor *(Python, Java, JavaScript)* *September 2020 – December 2020*

- Built a web application that allows user to random generate districting plan on selected states, and compare to the enacted plan via a box-and-whisker plot
- Implemented an algorithm that ran on real-world data and generated promising results
- Designed appropriate data structures to optimize algorithm runtime
- Created a local server with the Spring Boot framework