Henry Li

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Education

Stony Brook University, Stony Brook, NY   *August 2017 – May 2021*
- **Majors:** Computer Science, Applied Mathematics and Statistics
- **Achievements:** Dean's List, University Scholars

Languages

- Python, C#, Caché/MUMPS, JavaScript, TypeScript, Swift, Kotlin, HTML/CSS, SQL, Java, C

Experience

Epic Systems, Verona, WI *(Software Developer)*   *July 2021 – Present*
- Designed and implemented back-end settings enabling more versatile decision support tools, impacting tens of thousands of end-users daily.
- Conducted code and design reviews to maintain high-quality software and promote best practices within the team; recognized as the Best Code Reviewer for the quarter.
- Contributed closely throughout the full software development life cycle, from problem discovery and solution design to implementation, rigorous testing, and ongoing maintenance.
- Engaged in on-site visits to hospitals, resolving user challenges, gathering actionable feedback, and collaborating with analysts on new feature ideas.
- Authored comprehensive documentation, including: issue notes, specifications, design documents, and testing instructions.

KidOYO, Long Island, NY *(Mentor)*   *September 2018 – September 2019*
- Guided young students in transforming creative ideas into functional computer programs using beginner-friendly tools and languages.
- Provided constructive feedback to help students understand programming concepts, debug code, and develop problem-solving skills.

Projects

UI Revamp *(C#, MUMPS, React.js, Swift, Kotlin)*
- Served as a key developer on a year-long project to overhaul the user interface of a clinical decision support tool, improving usability and visual consistency.
- Designed and implemented a conflict-checking algorithm to detect contradictory end-user decisions.
- Contributed new features to the mobile versions of the app (iOS and Android), ensuring functional parity across platforms.
- Wrote comprehensive unit tests for all new server-side components to ensure code reliability and maintainability.

Success Tracking *(C#, MUMPS, React.js)*
- Designed and developed a framework that enables customers to measure the effectiveness of their decision support tools.
- Widely adopted by customers, with consistently positive feedback on its value and usability.
- Empowered customers to conduct internal data analysis and derive actionable insights from tool usage metrics.

TuneUp Utility *(Python, MUMPS)*
- Served as the key maintainer of a utility that identifies configuration improvement opportunities for customer decision support tools.
- Developed new suggestion logic to expand the tool's ability to detect optimization areas.
- Widely used by customers on a monthly basis, contributing to success rate improvements of up to 30% in some cases.

Defer Analysis *(SQL, Excel)*
- Extracted and analyzed data from Epic databases to evaluate usage of the Defer feature.
- Transformed raw data into visualizations to highlight usage patterns and emerging trends.
- Presented findings to other teammates and customers to support feature enhancements and strategic decisions.