

# Kevin J.H Li

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## EDUCATION

### University of Pennsylvania

*Master's in Computer and Information Technology (Computer Science), GPA: 3.6/4.0*

Philadelphia, PA

*Expected May 2025*

**Relevant Coursework:** Algorithms and Computation, Operating Systems, Networking, Intro to Database Systems

### Northeastern University

*Bachelor's in Mechanical Engineering*

Boston, MA

*May 2016*

## EXPERIENCE

### Software Engineer Intern

*Syska Hennessy Group*

Jun. 2024 – Present

*New York, NY*

- Designed and developed a document template generator tool using Python and Flask, enabling engineers to jump-start their design work by auto-filling 100+ key fields, generating an updated document on a per-project basis, and reducing manual work by 4+ hours
- Led the architecture and development of a smart building platform by using Python and Flask to implement server-side rendering with 20+ routes and configuring Flask-Login for user authentication
- Wrote 8+ Python ORMs using SQLAlchemy, leading to enhanced code readability by abstracting away complex SQL queries, reducing development time, and increasing ease of use
- Collaborated with UI/UX designers to implement 10+ Figma wireframes using HTMX, Alpine.js, and Tailwind CSS, resulting in a lightweight UI that efficiently displayed 200+ tailored sustainable components with pagination
- Migrated a local environment C# application to Azure Function Apps, ensuring 100% up-time and availability
- Used Azure DevOps for agile scrum development, completing 10+ user stories through daily stand-ups and sprint management

### Teaching Assistant - Data Structures and Software Design

*University of Pennsylvania*

Aug. 2023 – May 2024

*Philadelphia, PA*

- Conducted weekly 1-on-1 office hours, engaging an average of 8+ students per session addressing homework issues
- Graded 20+ weekly homework assignments and provide feedback for each assignment

### Software Engineer Intern

*Arlite Technology*

Dec. 2022 – Mar. 2023

*New York, NY*

- Developed a user dashboard system with React.js and Node.js to allow 30+ employees to track assigned tasks
- Created 7+ Express.js REST API endpoints and designed 2+ PostgreSQL database schemas for data management
- Refactored 80% of legacy HTML/CSS code into 4+ React.js components, enhancing the code-base modularity

### Project Engineer

*Clifford Dias Consulting Engineers*

Jan. 2020 – Mar. 2023

*New York, NY*

- Managed project life-cycles amongst a diverse team of 5 project designers to deliver 15+ project proposals
- Designed a project templates library, reducing administrative tasks by 50% across multiple projects

## PROJECTS

### Breezy | *Swift, SwiftUI, MapKit, CoreLocation* | [Github Link](#)

- Developed an iOS air quality app allowing users to monitor both real-time and historical air quality metrics, such as AQI(1-5) and 6 key pollutants, based on the user's current location
- Implemented interactive map features, allowing users to place landmarks to access real-time location-based data

### calorieHub | *Swift, SwiftUI, SwiftData, HealthKit* | [Github Link](#)

- Built a user-friendly nutrition and health iOS mobile app, enabling users to log and monitor daily food intake
- Integrated HealthKit with 4+ dedicated on-boarding views to read and capture 6+ user health metrics

### UniShop | *React, Express, Node.js, PostgreSQL, Tailwind CSS, Stripe API* | [Github Link](#)

- Created a full-stack mock e-commerce site with 20+ diverse products to purchase along with a complete checkout experience

## TECHNICAL SKILLS

**Languages:** Swift, Python, SQL

**Frameworks/Technologies:** SwiftUI, HealthKit, MapKit, Flask, Tailwind CSS, HTMX