Kevin J.H Li

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EDUCATION

University of Pennsylvania   Philadelphia, PA
Master's in Computer and Information Technology (Computer Science), GPA: 3.6/4.0   *Expected May 2025*
Relevant Coursework: Algorithms and Computation, Operating Systems, Networking, Intro to Database Systems

Northeastern University   Boston,MA
Bachelor's in Mechanical Engineering   *May 2016*

EXPERIENCE

Software Engineer Intern   Jun. 2024 – Present
Syska Hennessy Group   *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
- Developed 15+ Python ORMs using SQLAlchemy for PostgreSQL, enhancing code readability by abstracting complex SQL queries, optimizing database interactions, and reducing development time.
- 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
- Containerized Flask application and PostgreSQL database using Docker, ensuring consistent development environments and enhanced scalability
- 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   Aug. 2023 – May 2024
University of Pennsylvania   *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   Dec. 2022 – Mar. 2023
Arlite Technology   *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   Jan. 2020 – Mar. 2023
Clifford Dias Consulting Engineers   *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

calorieHub | *Swift, SwiftUI, SwiftData, HealthKit* | Github Link
- Created a nutrition and health iOS mobile app, enabling users to log and monitor daily food intake and activity

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, Docker, PostgreSQL