

# Justin Kyuhyung Lee

61 Pine Street, Closter, NJ 07624 • justinklee.dev@gmail.com • (201) 952-5307 • [LinkedIn Profile](#) • [Personal Website](#)

## EDUCATION

---

**Boston College | Chestnut Hill, MA**

**B.A in Computer Science | ACT: 35/36 (99th Percentile)**

**May 2025**

**Relevant Courses:** Machine Learning, Software Engineering, Algorithms, Human AI Interaction, Web App Development

## TECHNICAL SKILLS

---

**Programming Languages:** Python, Javascript, HTML/CSS, SQL, Java

**Tools & Frameworks:** React.js, Node.js Django, Flask, Git Version Control, Docker, Next.js, PostgreSQL, Kubernetes

## PROJECTS

---

**Resolve | Full Stack AI Project**

**August 2024 - Sept. 2024**

- Developed a full-stack multimodal complaint analysis system leveraging **Flask**, **Next.js**, **OpenAI Whisper**, and **PostgreSQL**, capable of autonomously processing, categorizing, and summarizing customer complaints across various formats (audio, text, images, video).
- Deployed the system on **Google Cloud Platform** with **Docker** for containerization, integrating a responsive dashboard for real-time insights, and implementing a **RAG Pipeline** for enhanced data retrieval and analysis.

**Boston College 4 Year Course Planner | Full Stack Project**

**February 2024 - June 2024**

- Worked with 4 other engineers to develop a fully functional course planning web application for Boston College with a dynamic **JavaScript** frontend, **Django/Python** backend, and **SQLite** database to store user information.
- Integrated data from a REST API provided by the Boston College IT Department and leveraged full-stack development practice to implement key features for course selection & planning for over **9000+** students and staff.

## PROFESSIONAL EXPERIENCE

---

**Software Engineer Intern | Teamworks | Durham, NC**

**June 2024 - August 2024**

- Fixed critical bugs and added functionality for itinerary PDF generation within an existing feature using Python and Flask, enabling the scheduling of 1,000+ multi-team trips for sports organizations.
- Collaborated with the Engineering Strike Team and cross-functional teams to deploy a new Facility-Management feature within the backend API, ensuring high code quality and alignment with **Agile** development practices
- Wrote unit and snapshot tests following **Test-Driven Development(TDD)** principles, increasing code coverage by **25%** and improving system reliability and scalability.

**Chief Technology Officer (CTO) | Content Academy | Tenafly, NJ**

**December 2023 - May 2024**

- Developed a SaaS product integrating an **AI** chatbot trained on historical client performance data to generate personalized short-form media scripts, streamlining content creation for **250+** customers and contributing to **\$40,000** in revenue. Collaborated with clients to refine the product through iterative development and feedback

**Software Engineer Intern | LG Electronics | Englewood Cliffs, NJ**

**June 2023 - August 2023**

- Collaborated with the Business Intelligence team to develop **Python** scripts integrating LG's **MSSQL** database with **Airtable**, streamlining operational workflows and improving data accessibility for **50+** sales representatives.
- Built a shipment validation tool using **Python**, **Flask**, **SQLite**, and the **Google Maps Address Validation API**, improving logistics accuracy by **30%** and reducing processing times for shipment data.