

# Kelvin Lin

Software Engineer, Boston, Massachusetts, 02135

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## EDUCATION

**Boston University, College of Arts and Sciences**, Boston, Massachusetts

December 2024

*Bachelor of Arts in Computer Science, Minor in Business Administration and Management*

## WORK EXPERIENCE

**PTC Onshape**, Boston, Massachusetts

June 2024 - August 2024

*Data Systems Engineering Intern*

- Developed a robust algorithm and benchmark for large-scale de-duplication of educational accounts in company's Salesforce instance, achieving ~95% accuracy and processing 80,000+ accounts.
- Engineered a comprehensive Python web-scraping script utilizing Pandas and fuzzy matching algorithms to automate mass verification of unverified educational accounts, resulting in a 70% reduction in processing time.
- Designed highly customizable Google Looker looks and dashboards to support the company's community college initiatives, enabling enhanced data visualization and decision-making for department-wide educational programs.
- Directed creation and marketing of an Onshape research event and design challenge at Boston University's EPIC Lab, leading to increased collaboration and partnership within the university space and among research stakeholders.

**Community Boating Incorporated**, Boston, Massachusetts

May 2023 - September 2023

*Front Office Administrator*

- Diagnosed technical issues for 30+ clients per day by phone, email, and in person, resolving issues within 5 minutes on average.
- Created patron accounts for 50+ clients per week, inputting data into a MySQL database with close to 95% accuracy and remediating any errors to guarantee close to 100% clientele satisfaction and an error-free user experience.
- Ensured internal MySQL database operated correctly and troubleshooted errors in software when applicable.

## CERTIFICATES

Onshape Certified Associate, Creating Business Value with Data and Looker Specialization, Tableau Essential Training, Leading Diverse Teams & Organizations, ZoomInfo RingLead Certification, High Performance Collaboration

## PROJECTS

*NewsAid Software*

January 2024 - May 2024

- Conceptualized and led backend development of NewsAid, an innovative news generation tool utilizing the OpenAI ChatGPT API and Web Share API, transforming news article creation with emphasis on simplicity and customization.
- Managed a team of 4 engineers from inception to delivery applying Trello for project management, ensuring effective task allocation, progress tracking, and collaboration to meet deliverable deadlines and deliver a high-quality product.

*CS Education in Massachusetts School Districts*

September 2023 - December 2023

- Led data extraction efforts incorporating a Scrum workflow to construct 3+ number of models for analysis of correlations between funding and CS performance and generated 3 reports on areas requiring improvement.
- Aggregated and prepped 5-10 years of computer science education data from Mass. Education datasets manipulating Pandas, Numpy, Scikit-learn Python libraries.
- Determined with various Python clustering methods, school districts where Computer Science participation were underperforming and owned improvements and modifications to increase participation by 15%.

*Company Analytics Projects*

September 2022 - December 2023

- Coordinated communication across 5 team members to schedule weekly interactive project meetings and certified status updates to guarantee timely completion.
- Established plans and conducted SWOT analysis for 2 industry leaders to achieve company financial stability.
- Modeled financial and sustainability data using Microsoft Excel to present client recommendations using Microsoft Powerpoints for areas in need of investment and improvement.

## SKILLS

Hard Skills: Python, Pandas, Matplotlib, Git, Looker, Salesforce, Excel, PowerPoint, Word, Onshape, Go, C, Java, Kotlin  
Soft Skills: Management, Technical Writing, Problem Solving, Communication, Collaboration, Leadership, Initiative